





**TEMPORARY EROSION CONTROL LEGEND**

-  INLET AND PIPE PROTECTION
-  INLET FILTERS
-  SODDING, SALT TOLERANT (PERMANENT)
-  PERIMETER EROSION BARRIER (SILT FENCE)

FILE NAME = v:\2791\2791e003.dgn	USER NAME = shughes	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 5/19/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLARENDON HILLS RD.  
LANDSCAPING & EROSION CONTROL PLAN**

SCALE: 1"=20'    SHEET NO. 1 OF 1 SHEETS    STA. 700+00 TO STA. 705+00

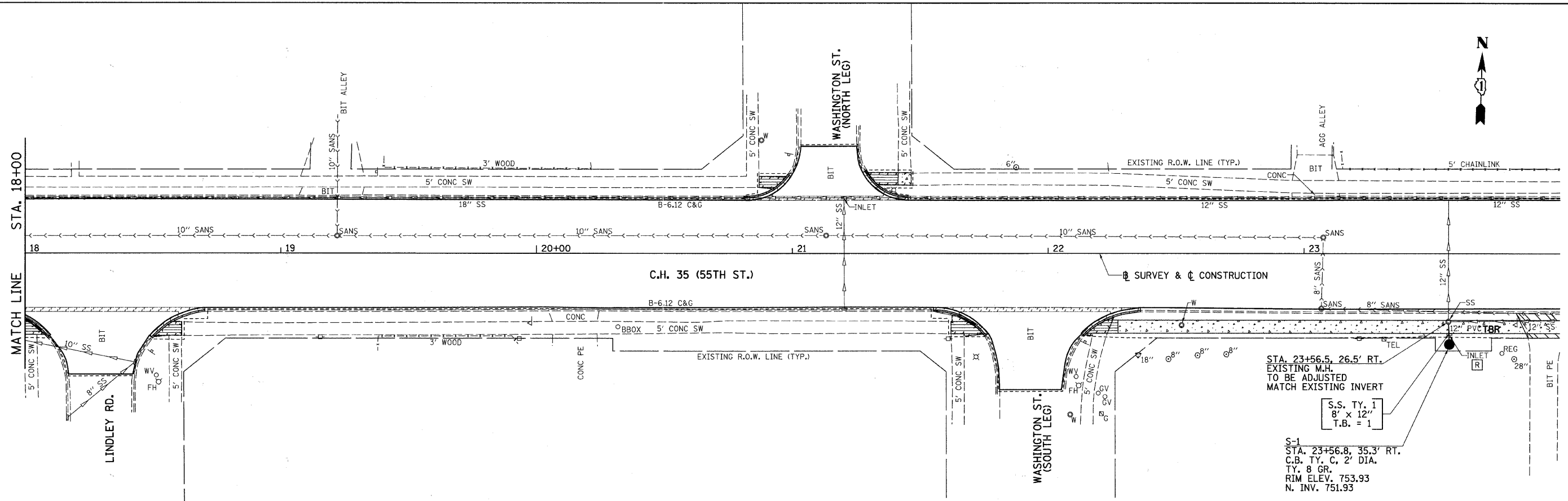
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	101
			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				



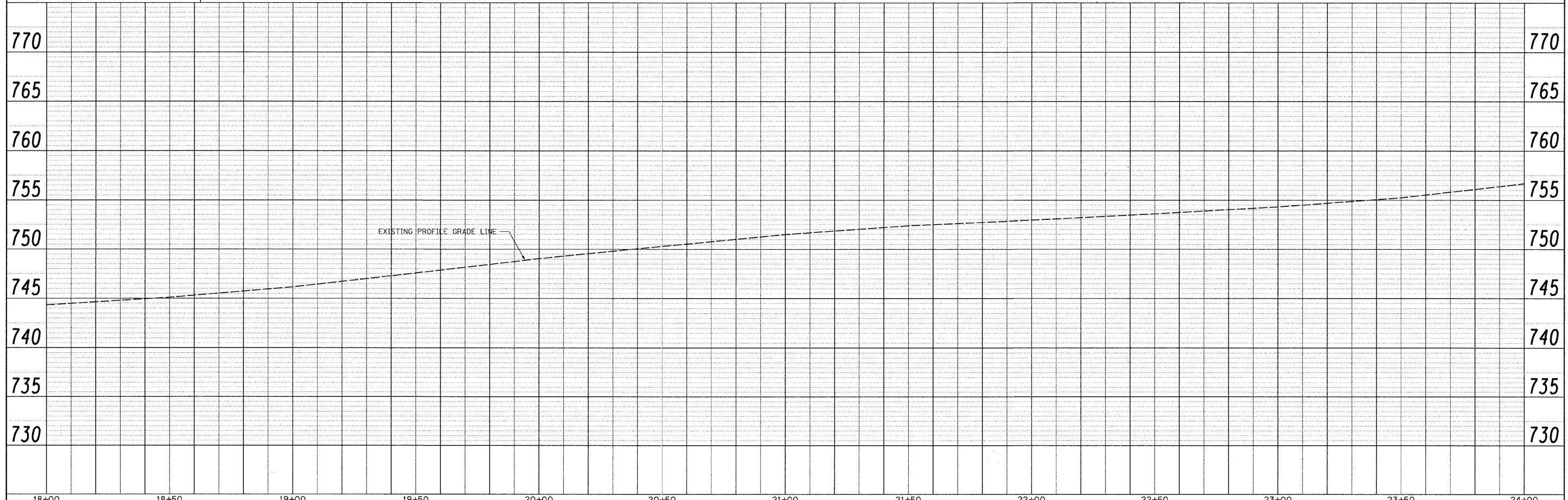


PLAN	SURVEYED	BY	DATE
	PLANNED		
	NOTED		
	REVISIONS		
	NO. OF WAY CHECKED		
	PAID FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLANNED		
	NOTED		
	REVISIONS		
	NO. OF WAY CHECKED		
	PAID FILE NAME		
	NO.		



STA. 23+56.5, 26.5' RT.  
 EXISTING M.H.  
 TO BE ADJUSTED  
 MATCH EXISTING INVERT  
 S.S. TY. 1  
 8' x 12"  
 T.B. = 1  
 S-1  
 STA. 23+56.8, 35.3' RT.  
 C.B. TY. C. 2' DIA.  
 TY. 8 GR.  
 RIM ELEV. 753.93  
 N. INV. 751.93



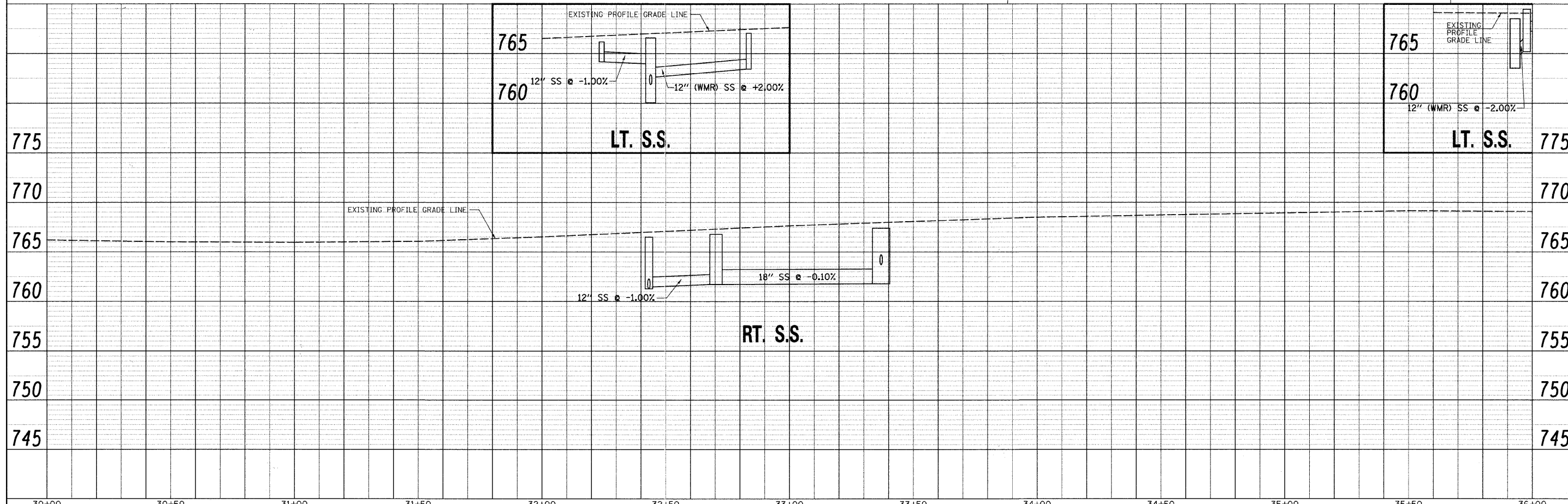
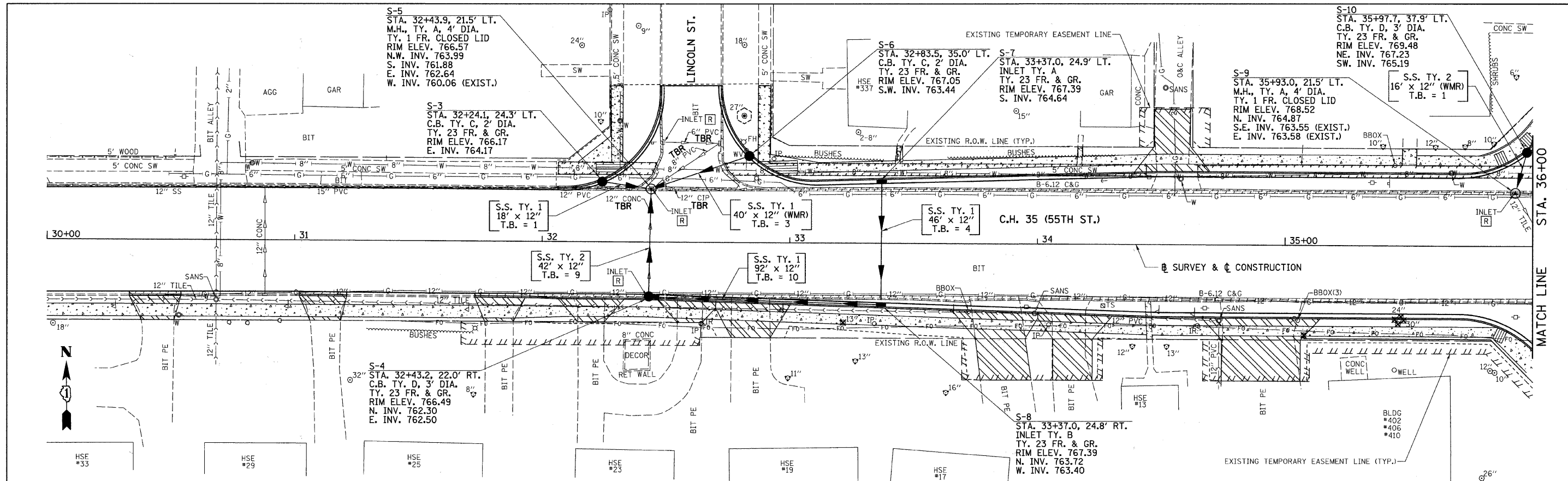
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v:\2791\2791d001.dgn		DRAWN -	REVISED -		1504	94-00302-00-FP	DU PAGE	240	103			
		CHECKED -	REVISED -		CONTRACT NO. 63609							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SCALE: H=20 V=5 SHEET NO. 2 OF 11 SHEETS STA. 18+00 TO STA. 24+00



PLAN	SURVEYED	DATE
NOTED	BY	
FILED	BY	
NO. OF WAY CHECKED		
NO. OF FILE NAME		

PROFILE	SURVEYED	DATE
NOTED	BY	
FILED	BY	
NO. OF WAY CHECKED		
NO. OF FILE NAME		



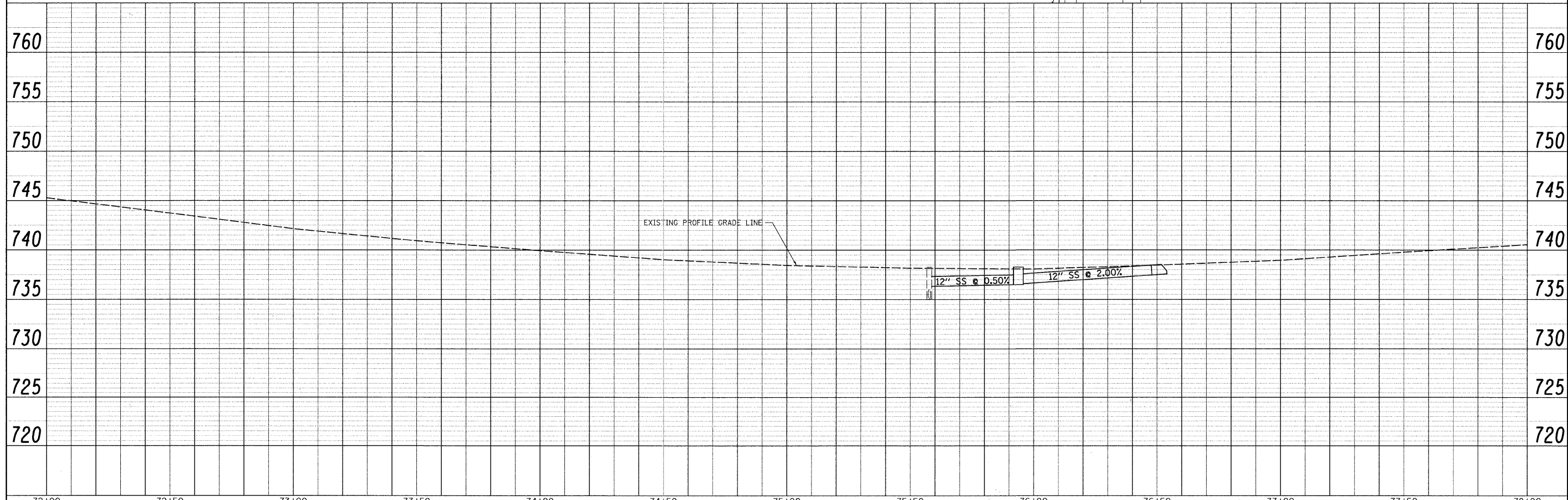
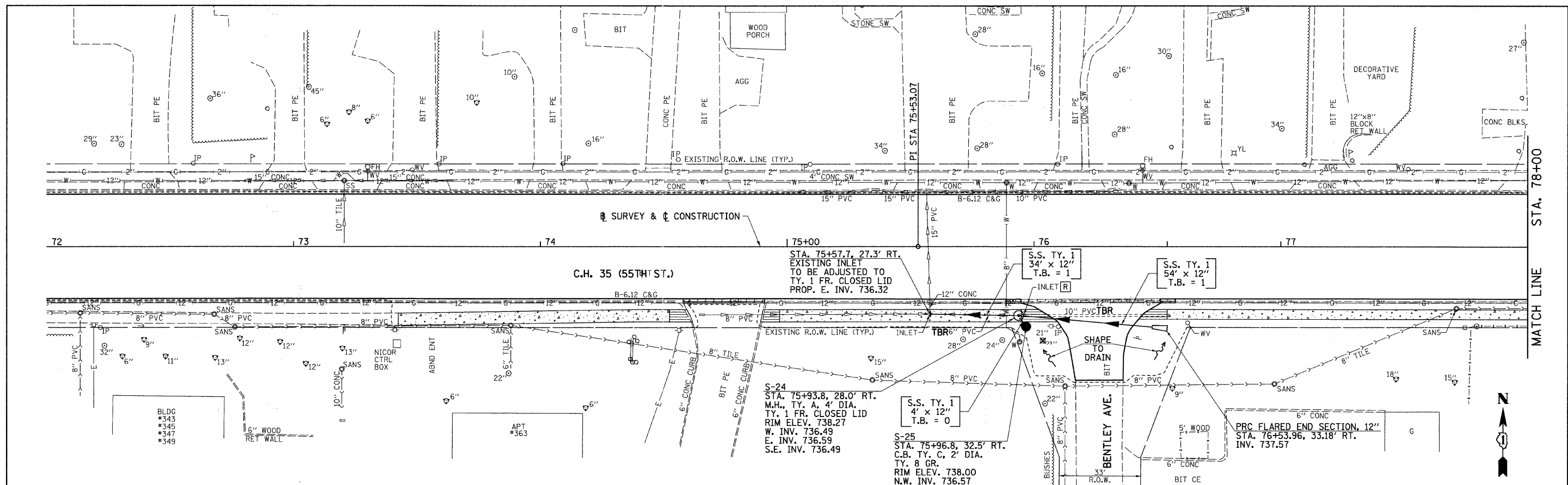
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: H=20 V=5	SHEET NO. 4 OF 11 SHEETS	STA. 31+00 TO STA. 36+00	CONTRACT NO. 63609		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/19/2011	DATE -	REVISED -										





PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	REVISIONS		
	CHECKED		
	NO. OF W.A. CHECKED		
	DATE FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	REVISIONS		
	CHECKED		
	NO. OF W.A. CHECKED		
	DATE FILE NAME		
	NO.		



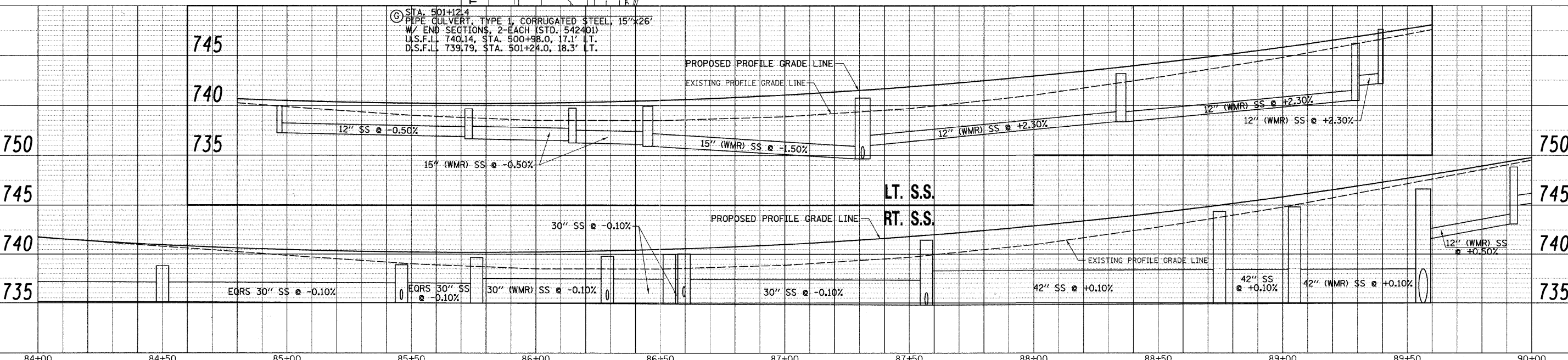
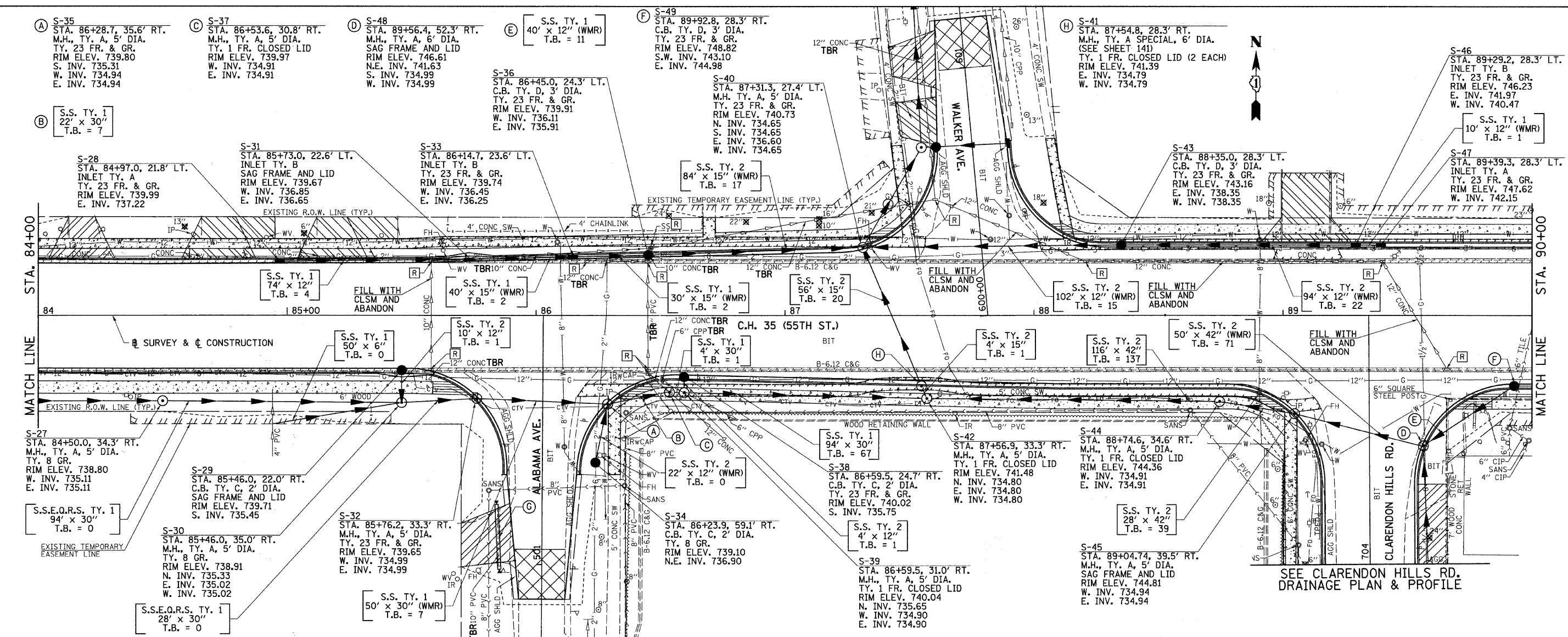
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	PLOT SCALE = 20.0000" / IN.	CHECKED -	REVISED -			CONTRACT NO. 63609		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/19/2011	DATE -	REVISED -			SCALE: H=20 V=5		SHEET NO. 7 OF 11 SHEETS		STA. 72+00 TO STA. 78+00		
						STA. 72+00 TO STA. 78+00		CONTRACT NO. 63609		ILLINOIS FED. AID PROJECT		





DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

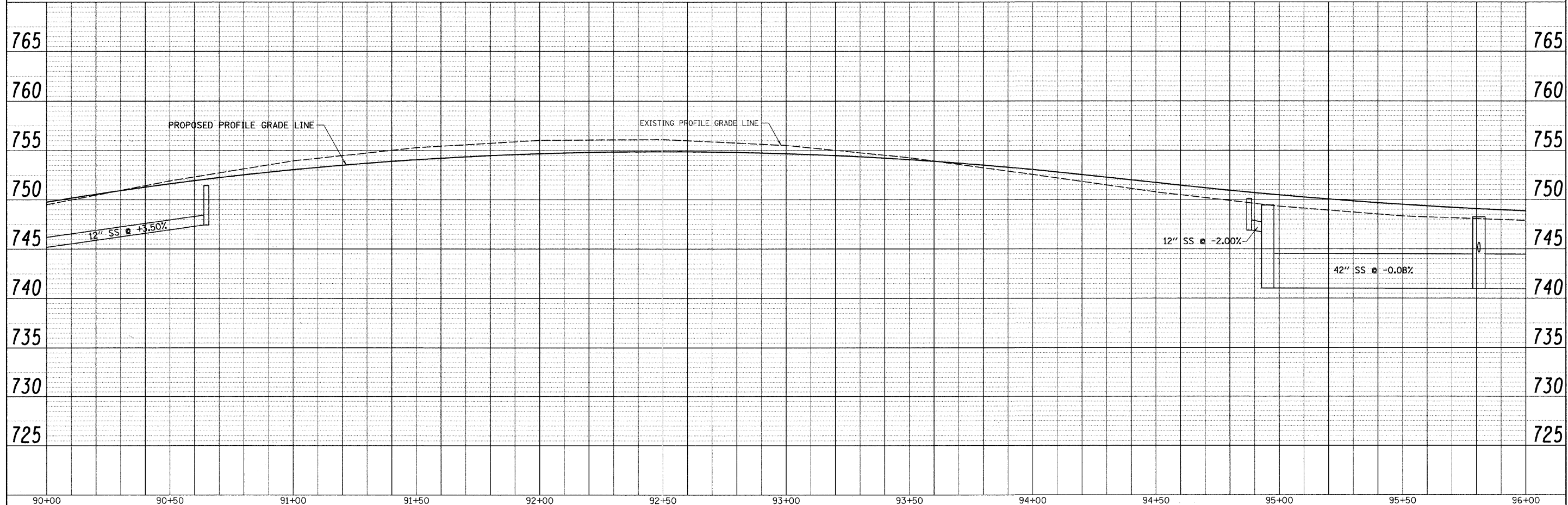
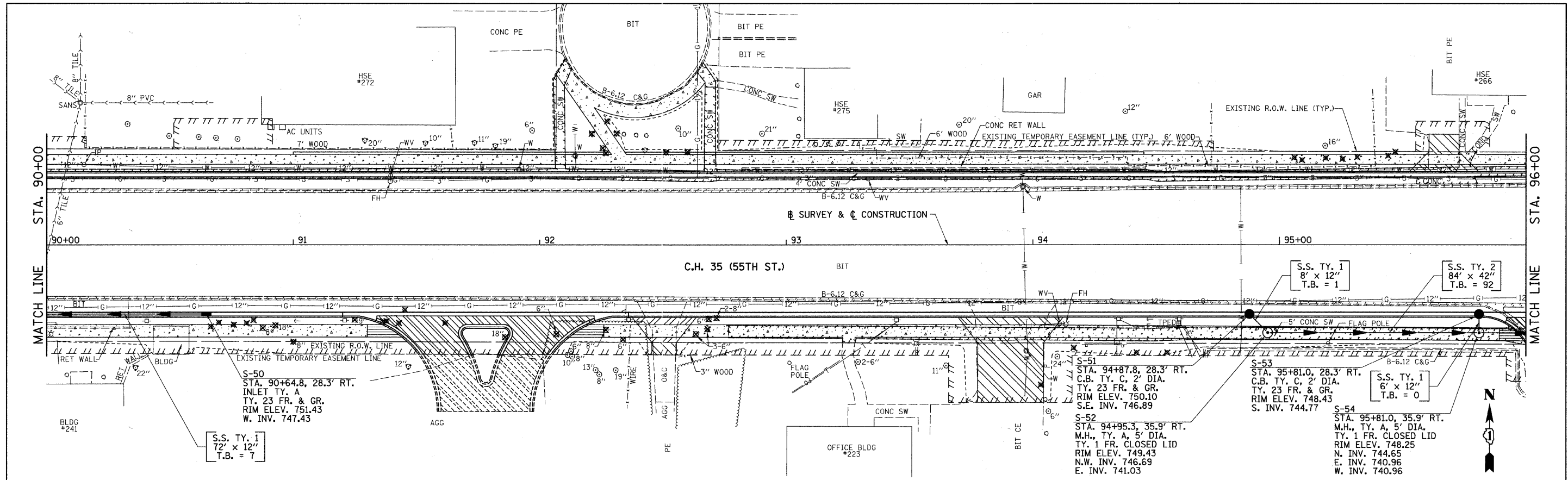
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DATE	
BY	
PLAN	
NO.	



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		DRAWN -	REVISED -			1504	94-00302-00-FP	DU PAGE	240	110
		CHECKED -	REVISED -			SCALE: H=20 V=5 SHEET NO. 9 OF 11 SHEETS STA. 84+00 TO STA. 90+00				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 63609				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	ALIGNED	BY
	RT. OF WAY CHECKED	
	POD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	STRUCTURE NOTATIONS CHKD	



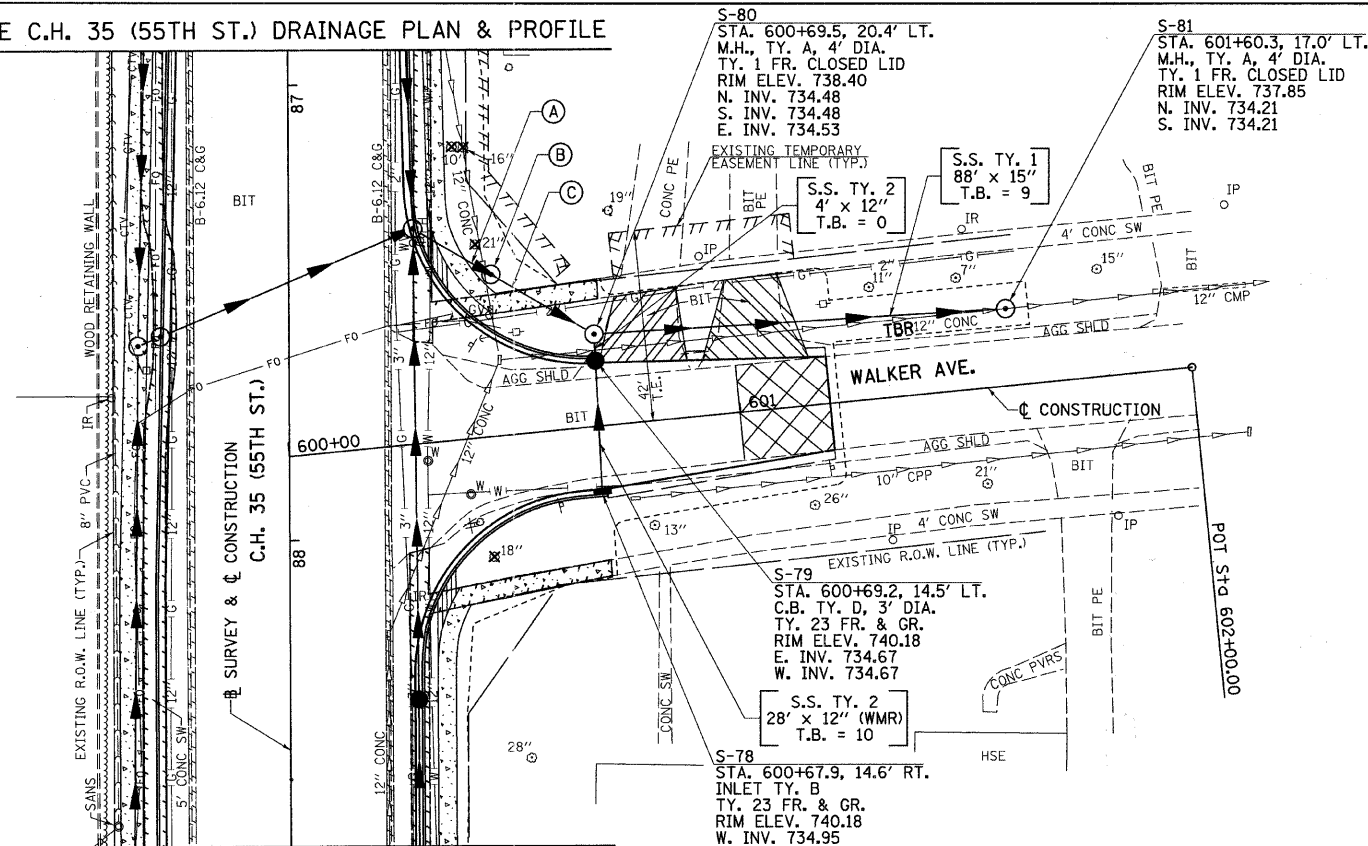
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: H=20 V=5	SHEET NO. 10 OF 11 SHEETS	STA. 90+00 TO STA. 96+00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 63609			
	PLOT DATE = 5/19/2011	DATE -	REVISED -										







SEE C.H. 35 (55TH ST.) DRAINAGE PLAN & PROFILE



SEE C.H. 35 (55TH ST.) DRAINAGE PLAN & PROFILE

SEC. 15 T. 38 N. R. 11 E. 3RD PM

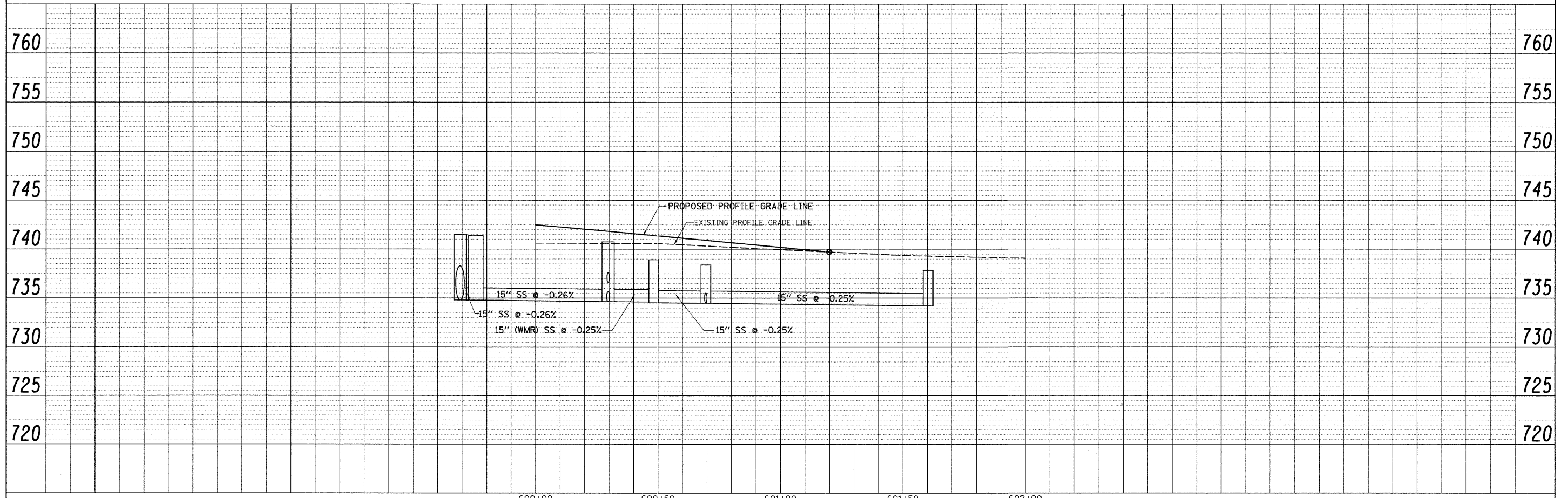
(A) S.S. TY. 2  
16' x 15" (WMR)  
T.B. = 7

(B) S-77  
STA. 600+48.2, 35.8' LT.  
STORM WATER TREATMENT  
STRUCTURE, 900 GALLONS  
RIM ELEV. 738.93  
SW. INV. 734.61  
NE. INV. 734.53

(C) S.S. TY. 2  
22' x 15"  
T.B. = 3

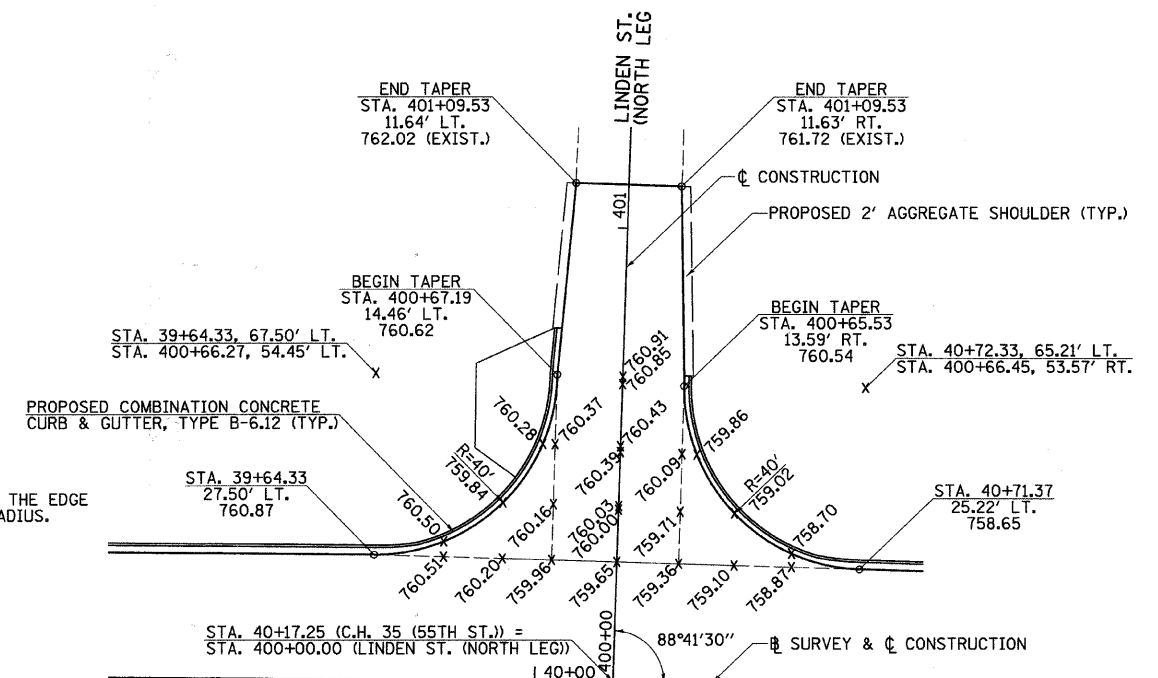
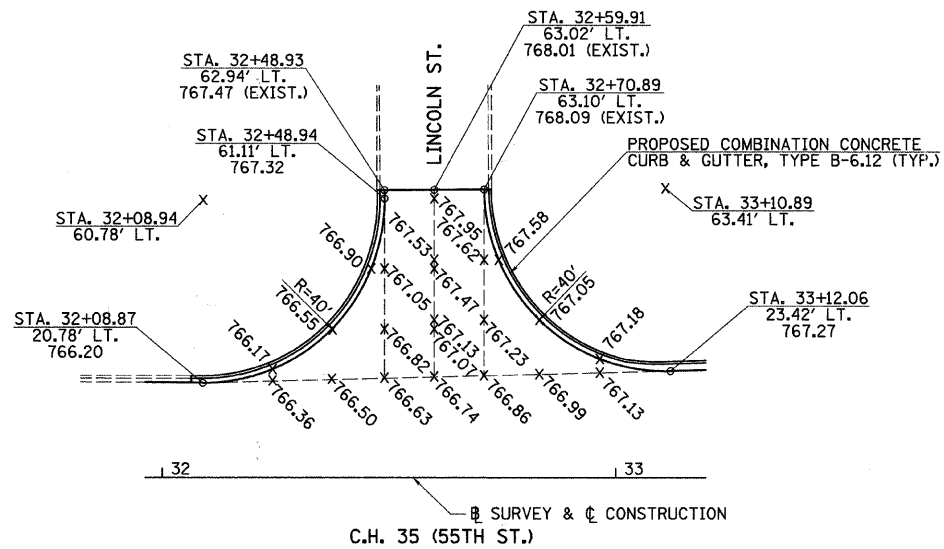
PLAN	SURVEYED	DATE
	BY	
	NOTED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	BY	
	NOTED	
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	BY	
	DATE	

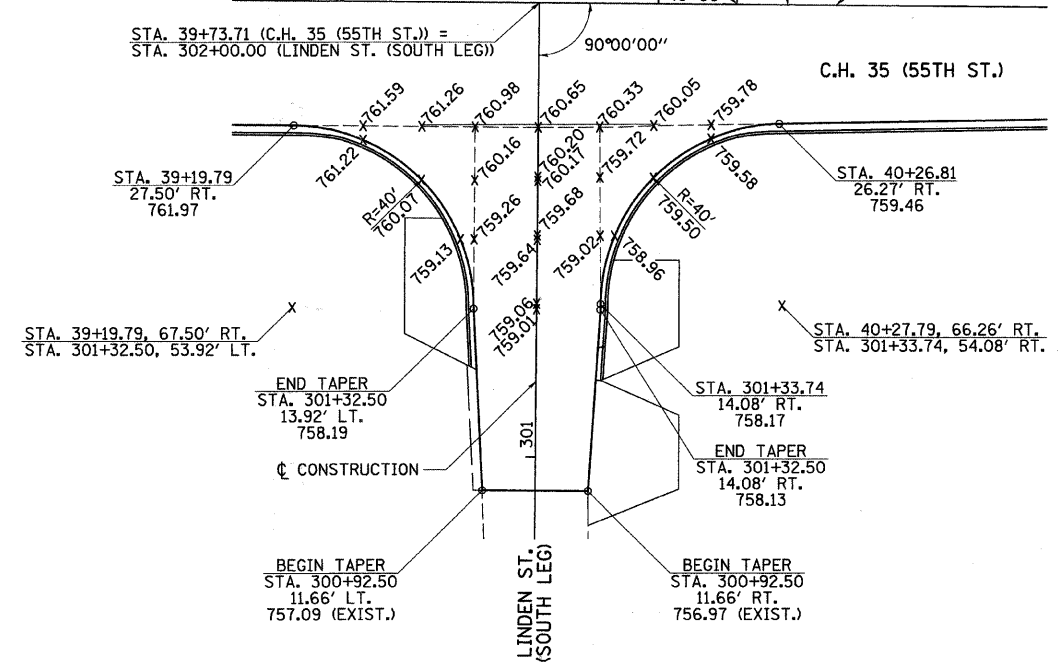
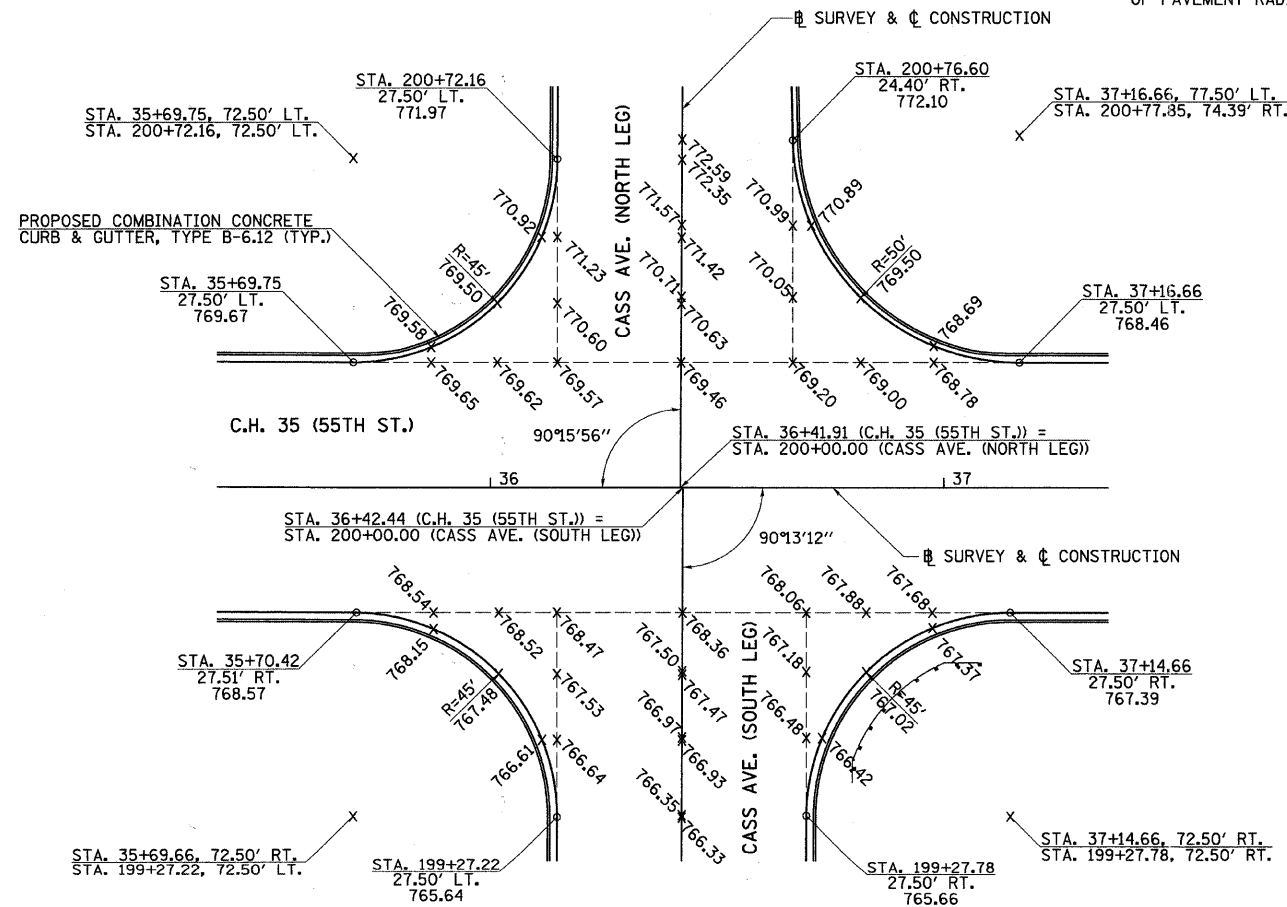


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	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -		SCALE: H=20 V=5	SHEET NO. 1 OF 1 SHEETS	STA. 600+00 TO STA. 602+00	1504	94-00302-00-FP	DU PAGE	240	114
	PLOT DATE = 5/19/2011	CHECKED -	REVISED -					CONTRACT NO. 63609		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -									



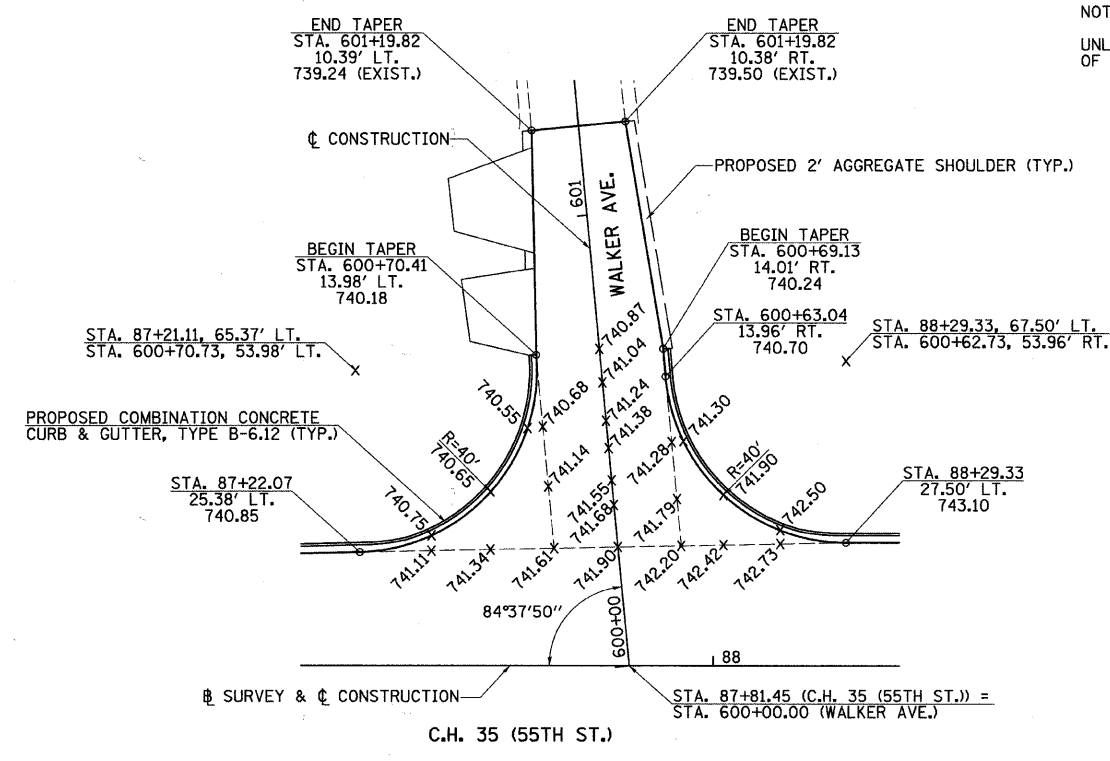
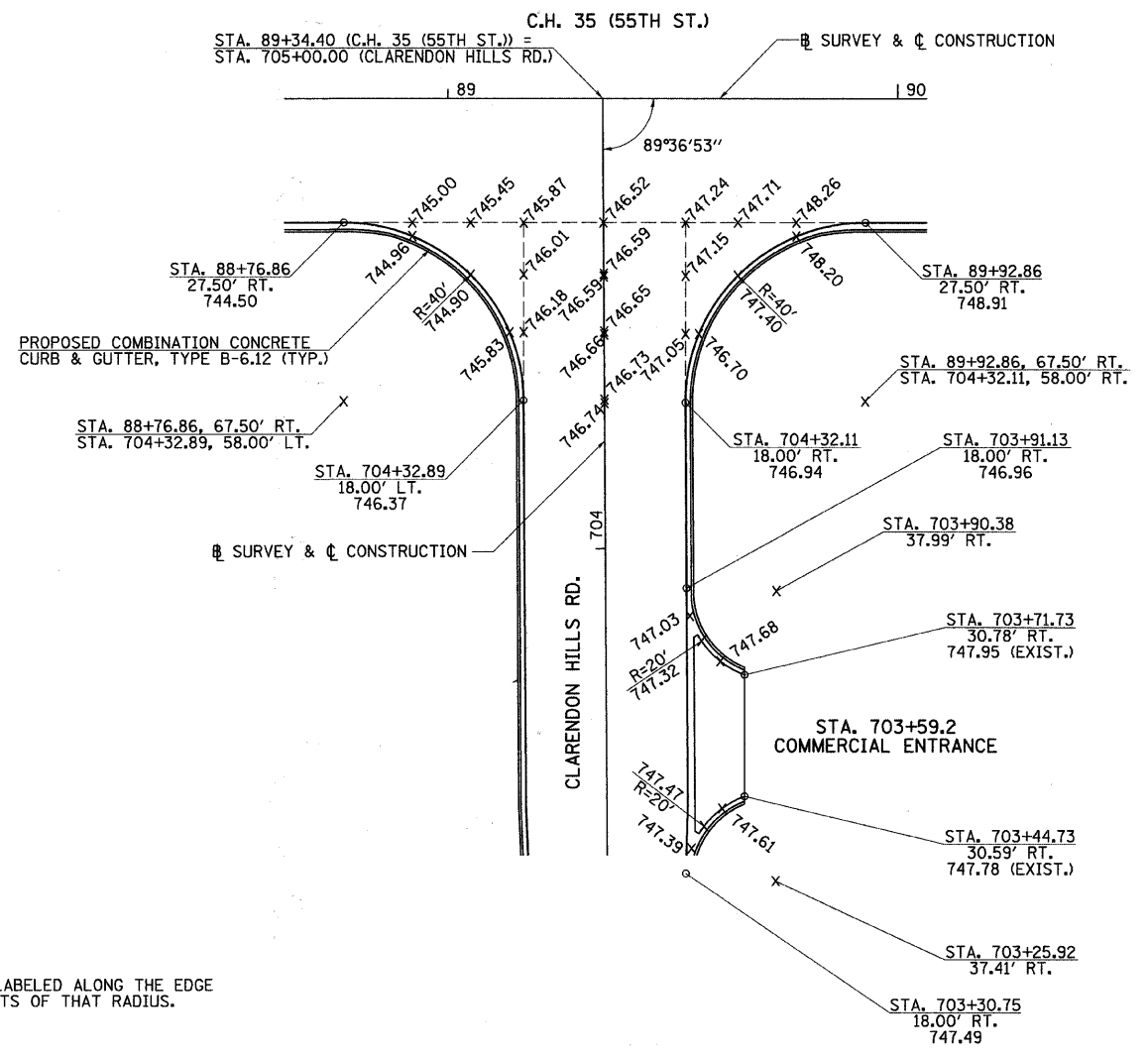
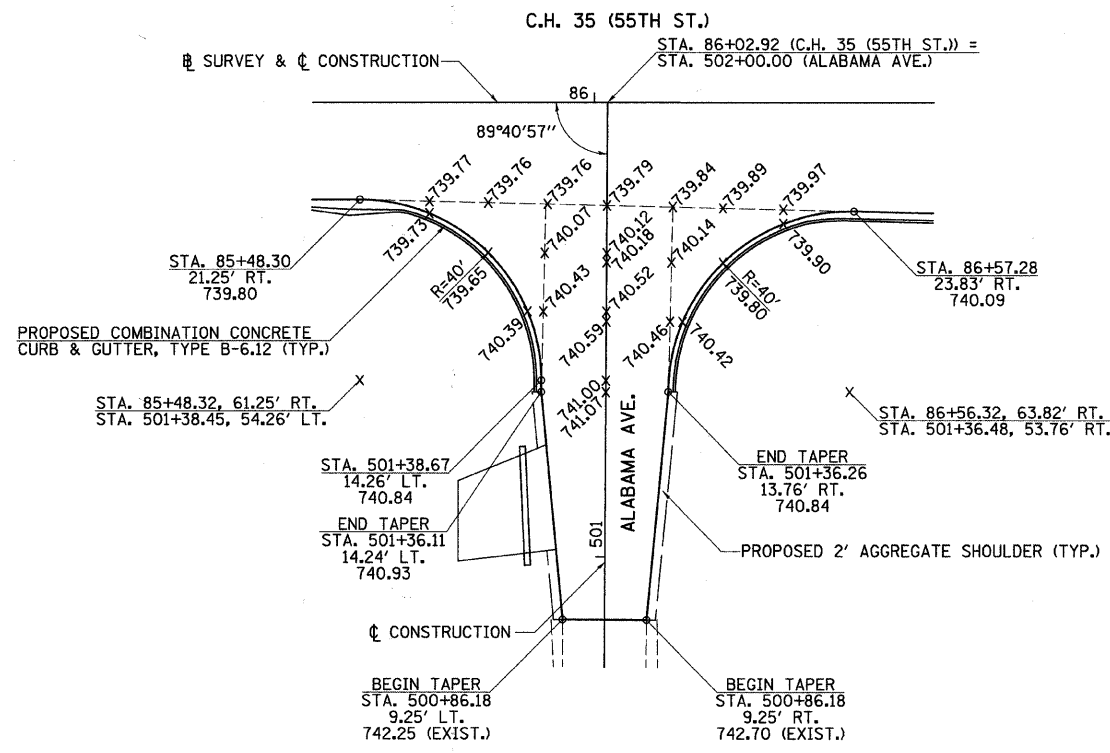


NOTE:  
UNLESS OTHERWISE SHOWN, ELEVATIONS LABELED ALONG THE EDGE OF PAVEMENT RADIUS ARE QUARTER POINTS OF THAT RADIUS.



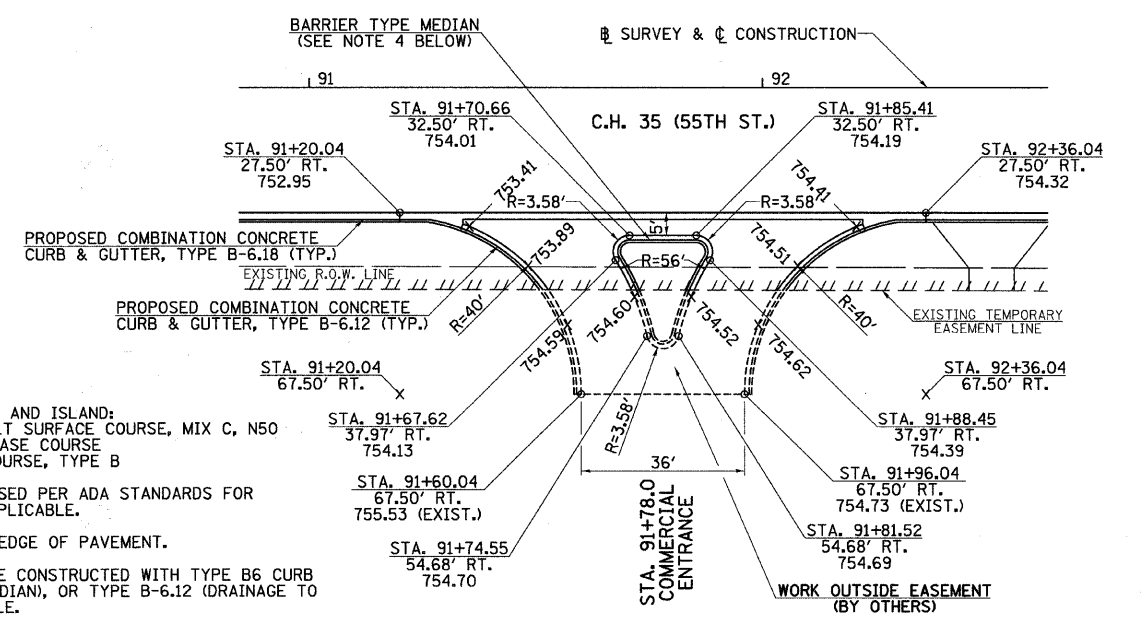
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	PLOT SCALE = 20.00' / IN.	DRAWN -	REVISED -			1504	94-00302-00-FP	DU PAGE	240	116	
	PLOT DATE = 5/25/2011	CHECKED -	REVISED -			CONTRACT NO. 63609					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					





NOTE:  
UNLESS OTHERWISE SHOWN, ELEVATIONS LABELED ALONG THE EDGE OF PAVEMENT RADIUS ARE QUARTER POINTS OF THAT RADIUS.

- NOTES:
1. MATERIALS FOR DRIVEWAY AND ISLAND:  
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50  
8" HOT-MIX ASPHALT BASE COURSE  
6" AGGREGATE BASE COURSE, TYPE B
  2. ISLAND SHALL BE DEPRESSED PER ADA STANDARDS FOR SIDEWALK OR PATH IF APPLICABLE.
  3. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT.
  4. BARRIER MEDIAN SHALL BE CONSTRUCTED WITH TYPE B6 CURB (DRAINAGE AWAY FROM MEDIAN), OR TYPE B-6.12 (DRAINAGE TO MEDIAN), AS IS APPLICABLE.

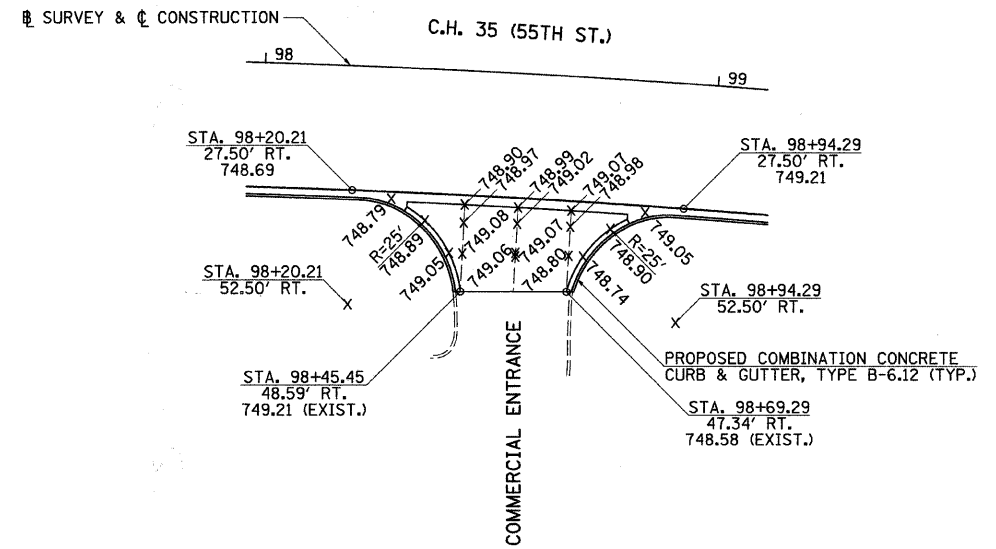
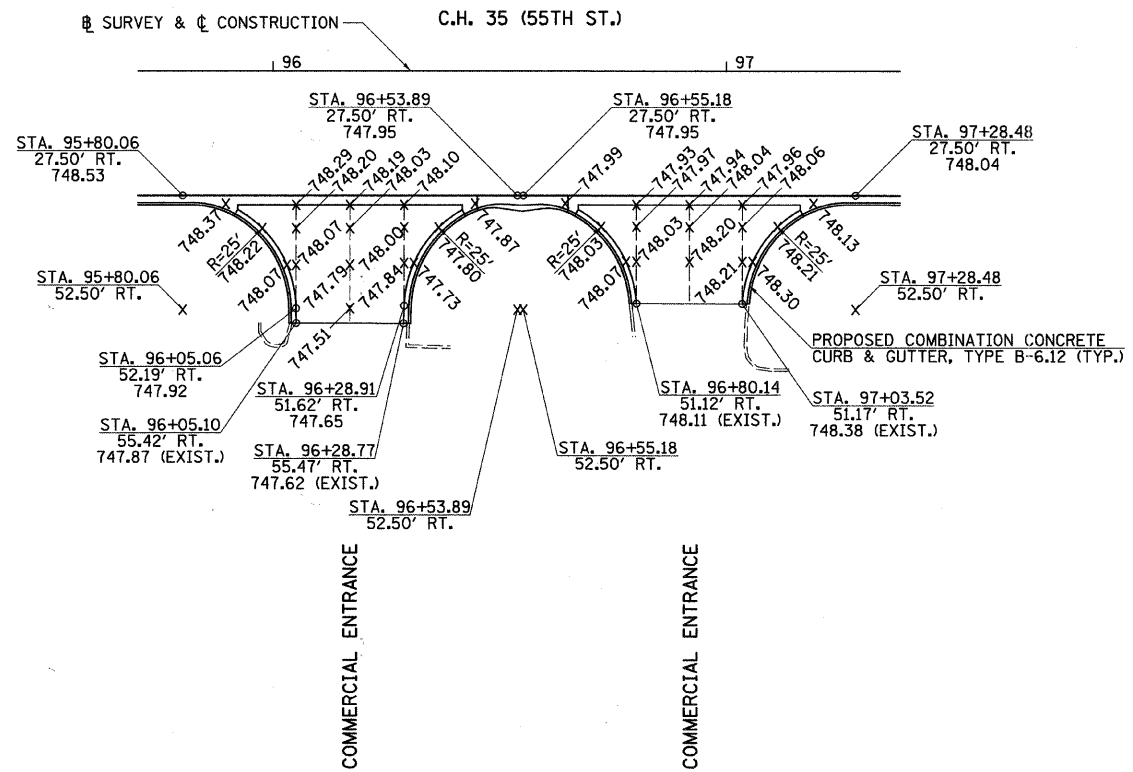


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	PLOT DATE = 5/25/2011	DATE -	REVISED -

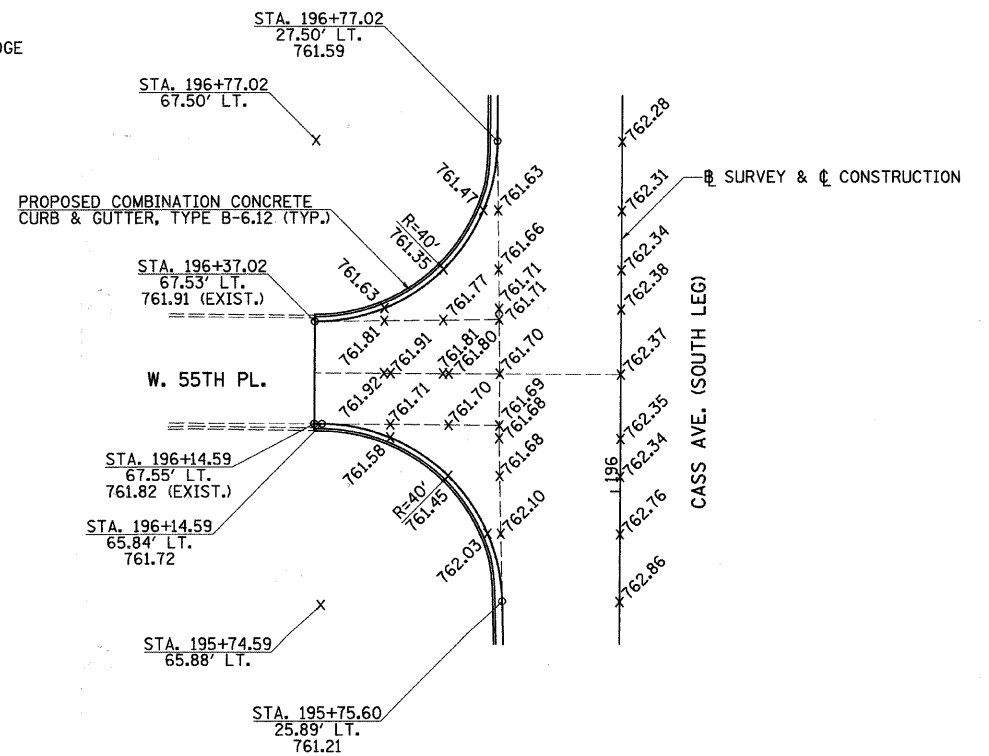
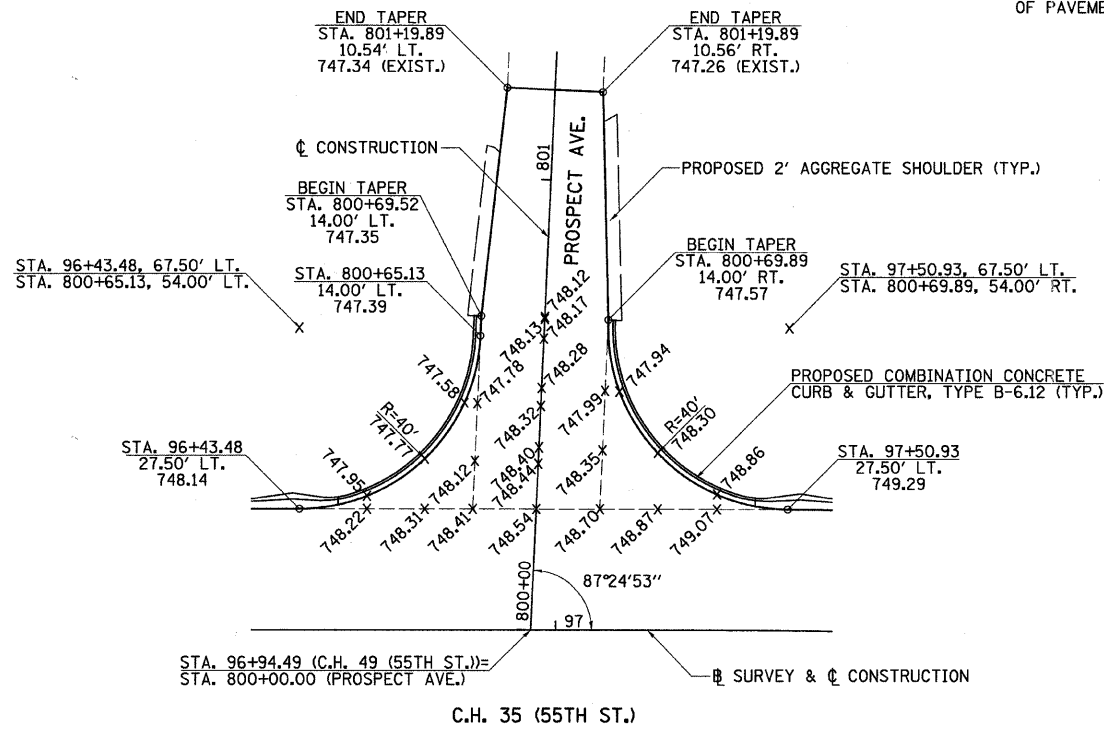
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

C.H. 35 (55TH ST.) WITH ALABAMA AVE., WALKER AVE,  
CLARENDON HILLS RD. & C.E. STA. 91+78.0 AND C.E. STA. 703+59.2  
INTERSECTION & ENTRANCE DETAILS  
SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	117
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	



NOTE:  
 UNLESS OTHERWISE SHOWN, ELEVATIONS LABELED ALONG THE EDGE OF PAVEMENT RADIUS ARE QUARTER POINTS OF THAT RADIUS.



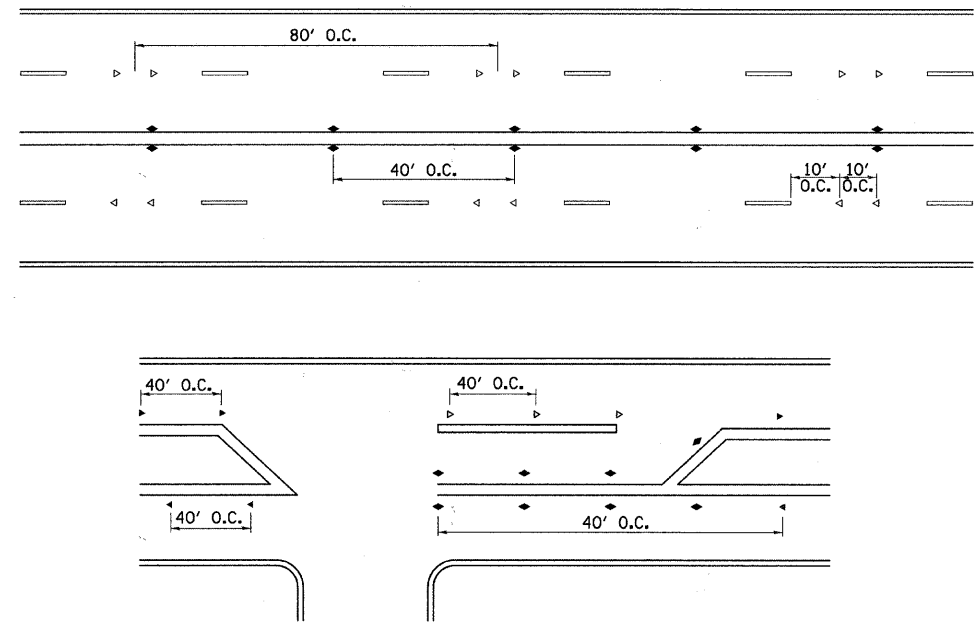
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PLOT DATE = 5/19/2011	CHECKED -	REVISED -
	DATE -	REVISED -

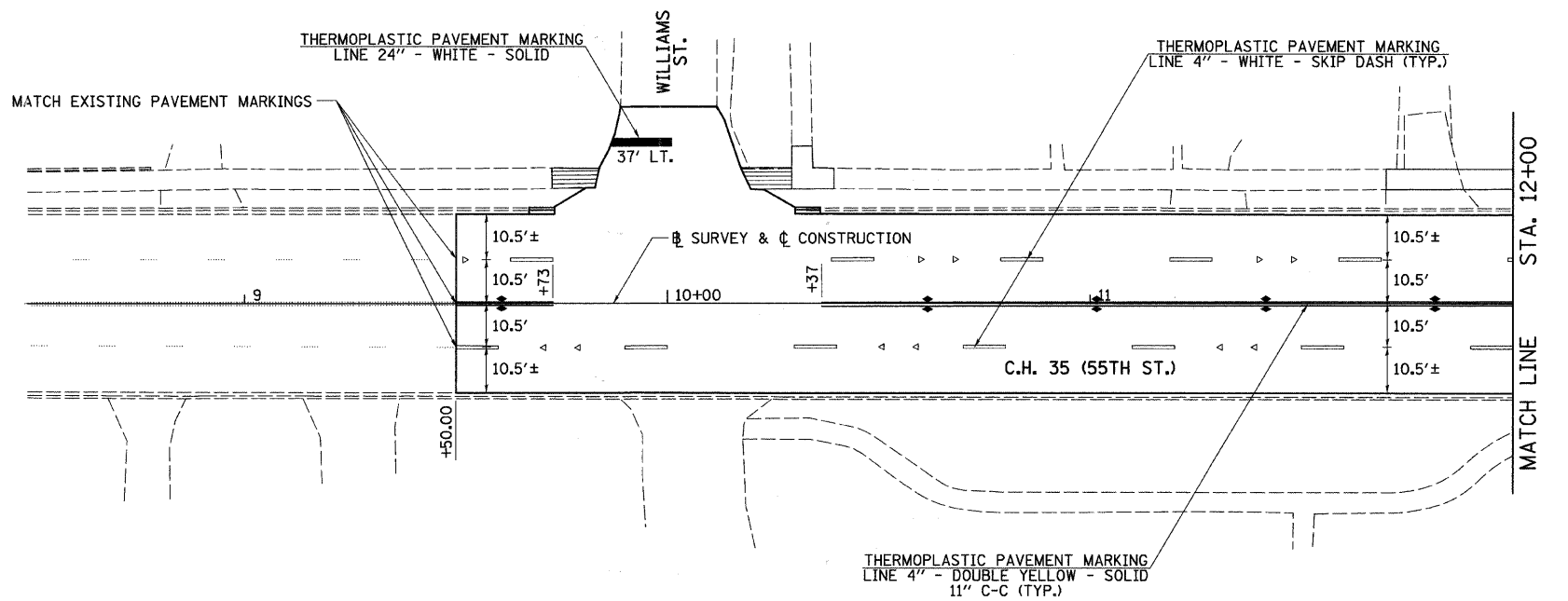
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

C.H. 35 (55TH ST.) WITH COMMERCIAL ENTRANCES STA. 96+17.0,  
 STA. 96+92.5 & STA. 98+57.7 AND PROSPECT AVE. AND CASS AVE.  
 (SOUTH LEG) WITH W. 55TH PL. INTERSECTION & ENTRANCE DETAILS  
 SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	118
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	



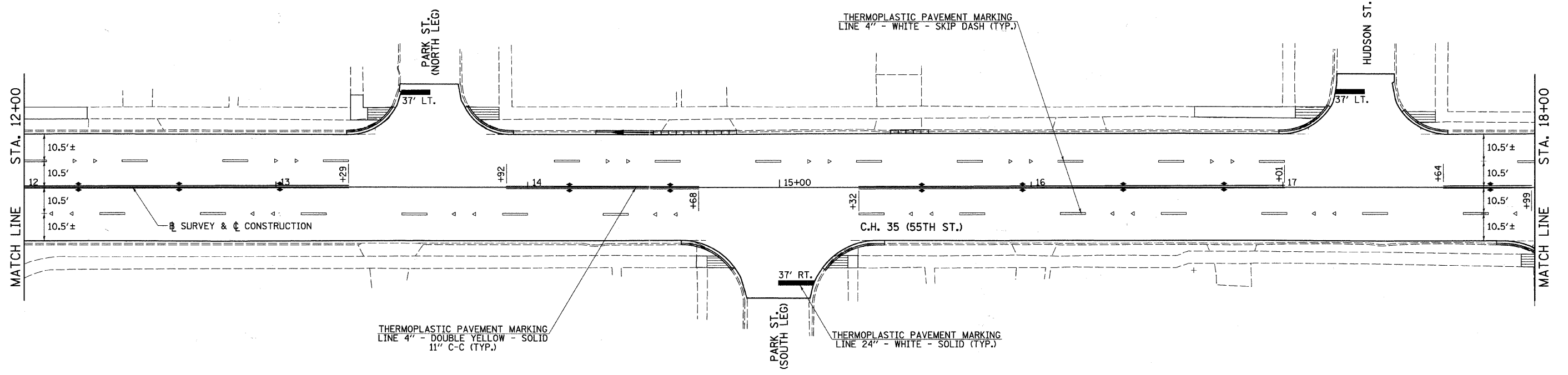
RECESSED REFLECTIVE PAVEMENT MARKER SPACING



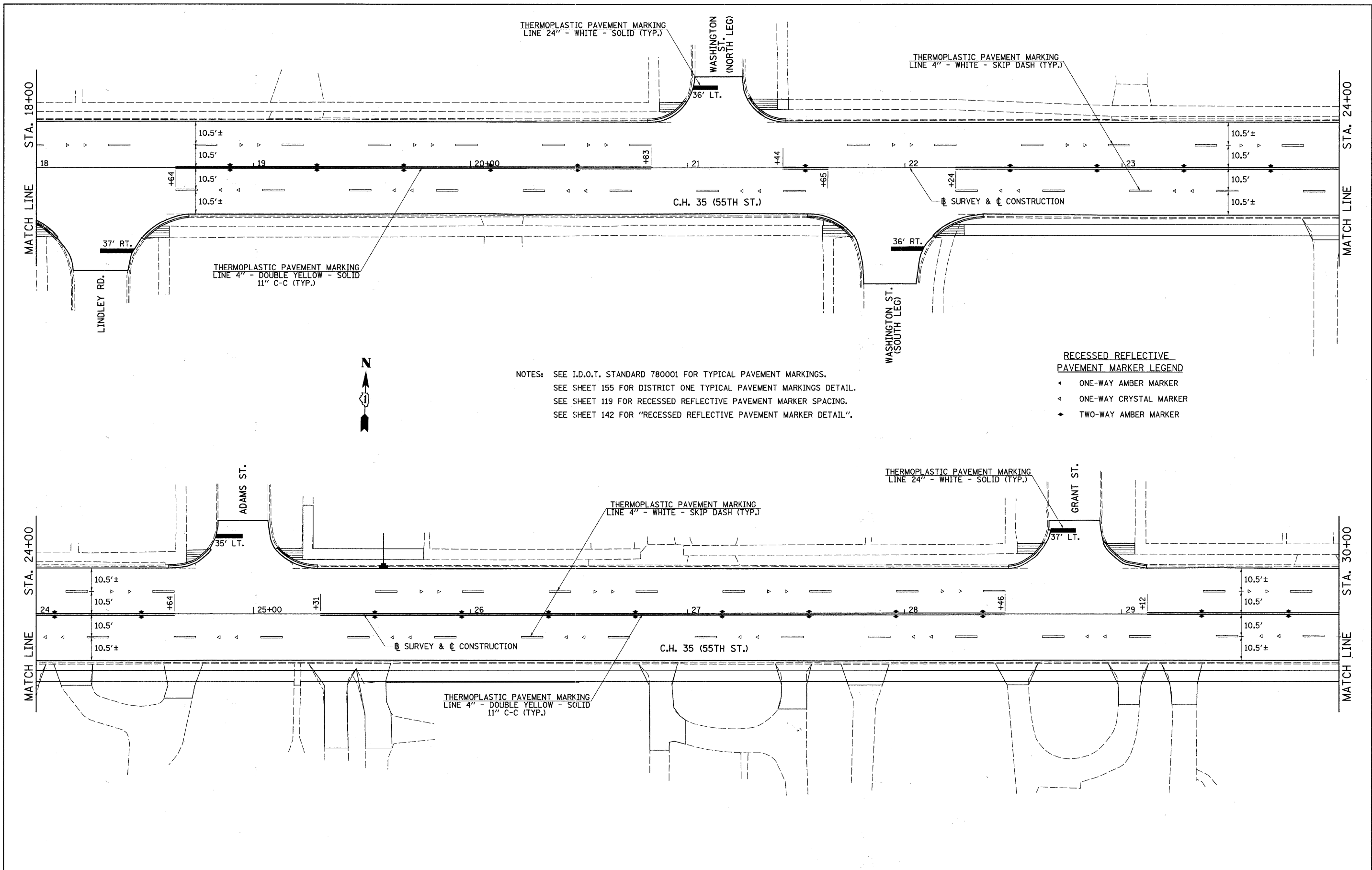
**RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**

- ◀ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
SEE THIS SHEET FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".



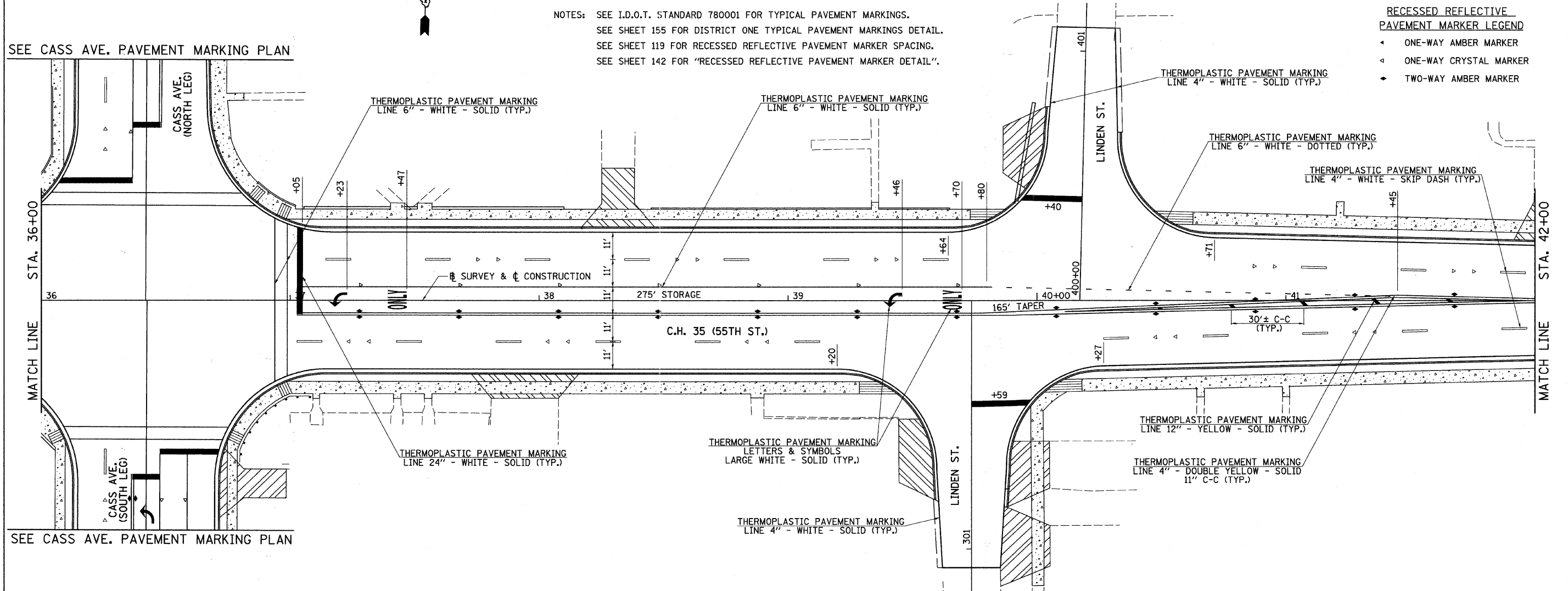
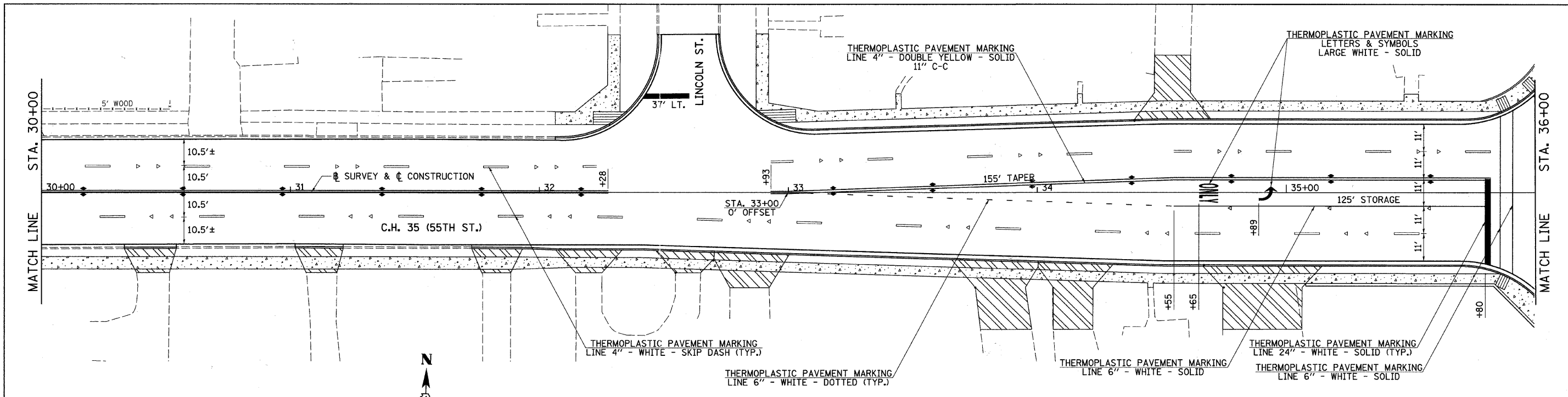
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 8 SHEETS	STA. 8+00	TO STA. 18+00	CONTRACT NO. 63609			
	PLOT DATE = 5/19/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

- RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**
- ◀ ONE-WAY AMBER MARKER
  - ◁ ONE-WAY CRYSTAL MARKER
  - ▶ TWO-WAY AMBER MARKER

FILE NAME = v:\2791\2791m002.dgn	USER NAME = shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	PLOT SCALE = 20.0000 / IN.	CHECKED -	REVISED -					1504	94-00302-00-PP	DU PAGE	240	120				
	PLOT DATE = 5/19/2011	DATE -	REVISED -					SCALE: 1"=20'			SHEET NO. 2 OF 8 SHEETS		STA. 18+00 TO STA. 30+00		CONTRACT NO. 63609	
	ILLINOIS FED. AID PROJECT															



NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

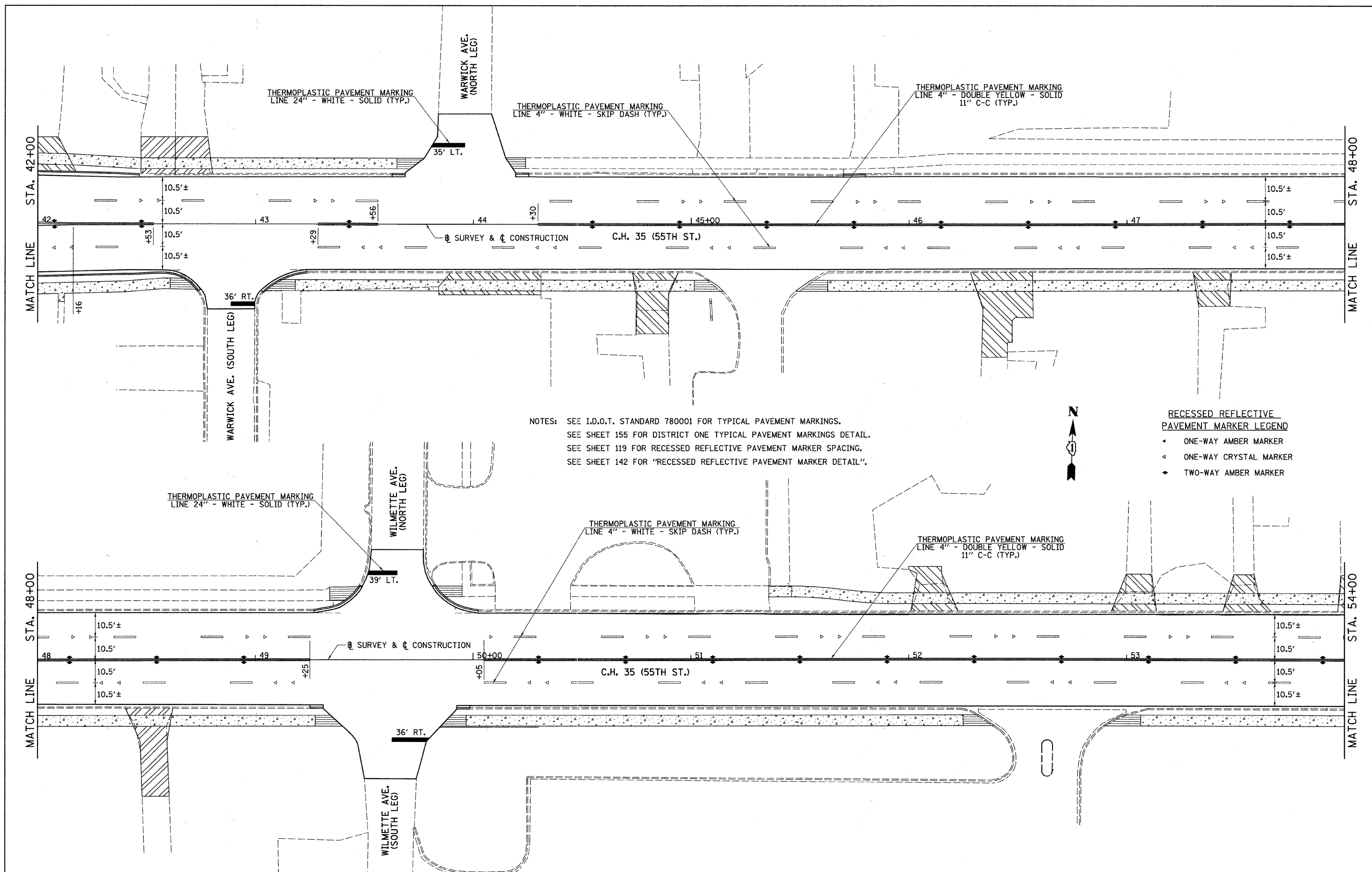
**RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**

- ▲ ONE-WAY AMBER MARKER
- ▲ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

SEE CASS AVE. PAVEMENT MARKING PLAN

SEE CASS AVE. PAVEMENT MARKING PLAN

FILE NAME = vs\2791\2791m003.dgn	USER NAME = shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN</b>	F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 121	
PLOT SCALE = 28.0000' / IN.	CHECKED -	REVISED -	SCALE: 1"=20'			SHEET NO. 3 OF 8 SHEETS	STA. 30+00 TO STA. 42+00	CONTRACT NO. 63609		ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/19/2011	DATE -	REVISED -									



NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

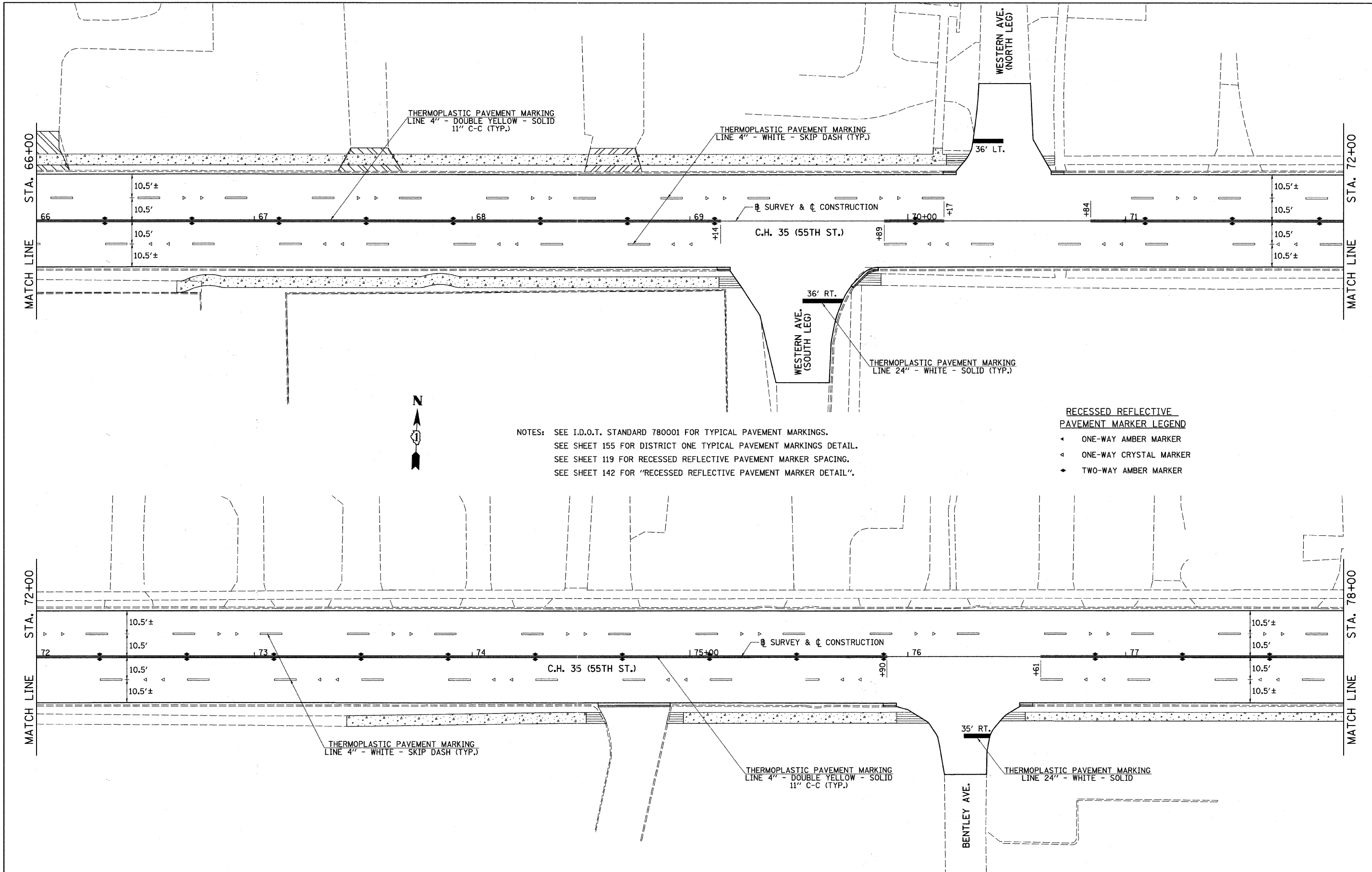


**RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**

- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER
- ▶ TWO-WAY AMBER MARKER

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	PLOT SCALE = 20,0000 // IN.	CHECKED -	REVISED -					1504	94-00302-00-FP	DU PAGE	240	122
	PLOT DATE = 5/19/2011	DATE -	REVISED -					CONTRACT NO. 63609				
	SCALE: 1"=20'    SHEET NO. 4 OF 8 SHEETS    STA. 42+00 TO STA. 54+00							ILLINOIS FED. AID PROJECT				





NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

- RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**
- ◀ ONE-WAY AMBER MARKER
  - ◁ ONE-WAY CRYSTAL MARKER
  - ◆ TWO-WAY AMBER MARKER

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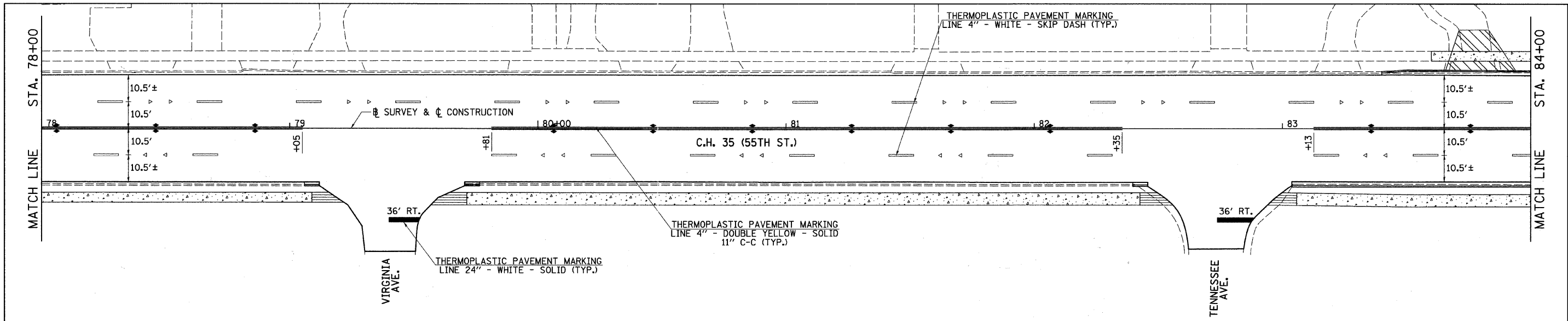
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN**

SCALE: 1"=20'    SHEET NO. 6 OF 8 SHEETS    STA. 66+00 TO STA. 78+00

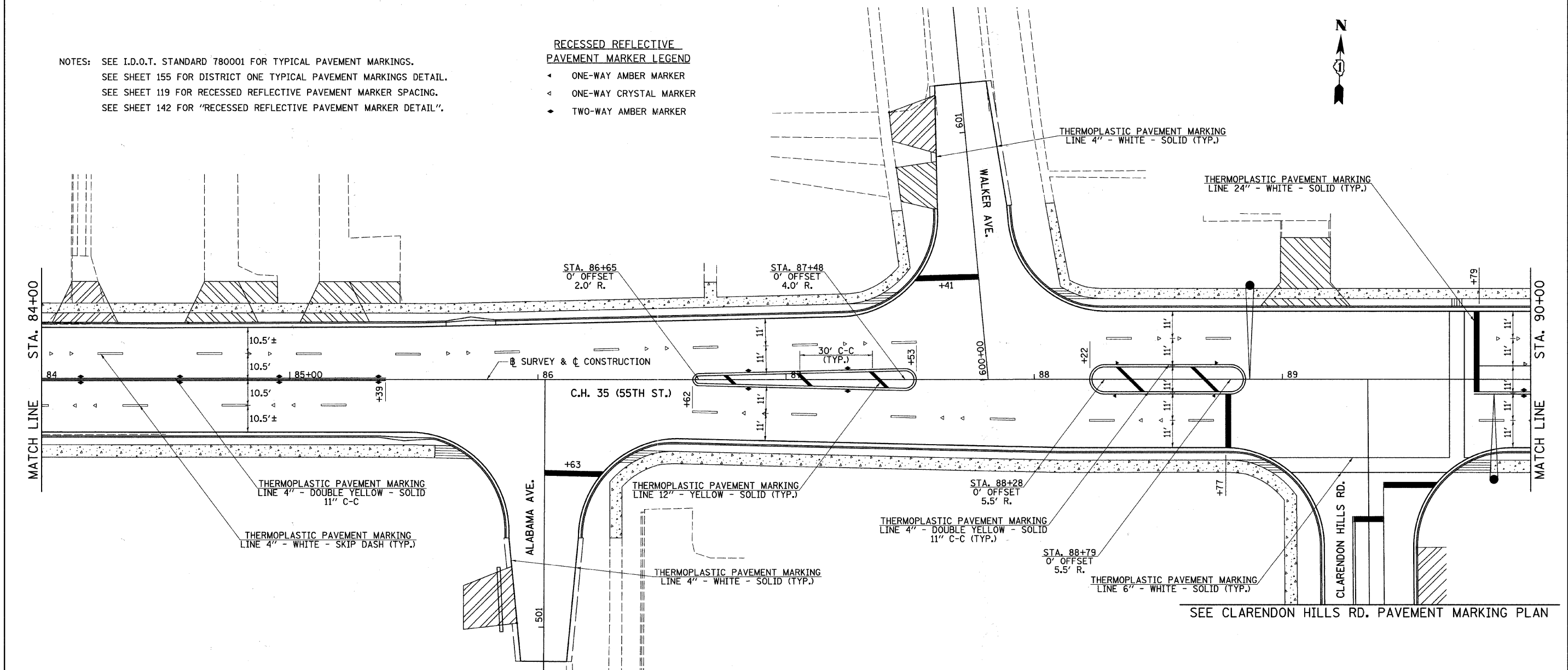
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CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	





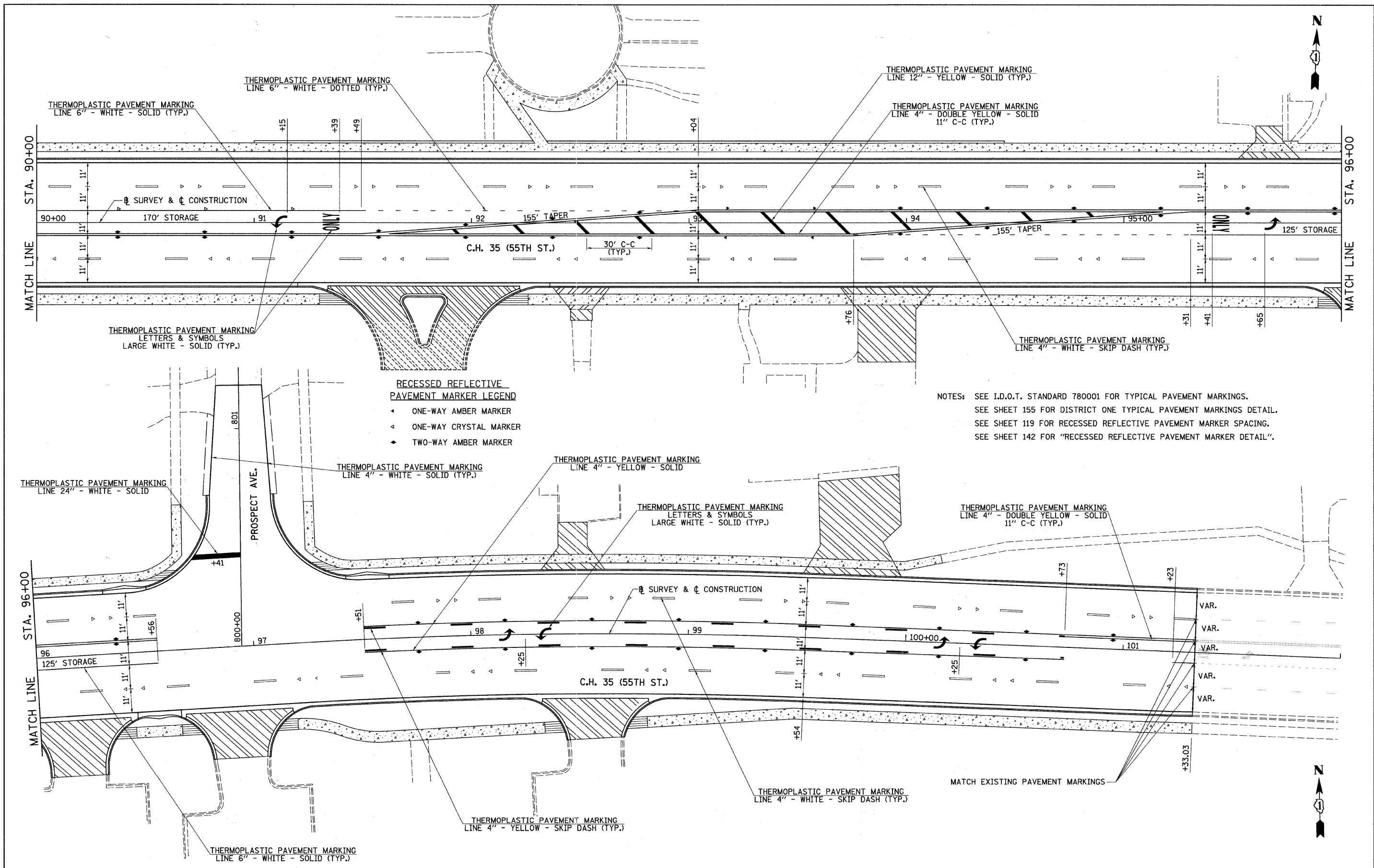
NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

- RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**
- ◄ ONE-WAY AMBER MARKER
  - ◄ ONE-WAY CRYSTAL MARKER
  - ◆ TWO-WAY AMBER MARKER



SEE CLARENDON HILLS RD. PAVEMENT MARKING PLAN

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	PLOT DATE = 5/19/2011	DATE -	REVISED -		[ILLINOIS] FED. AID PROJECT							



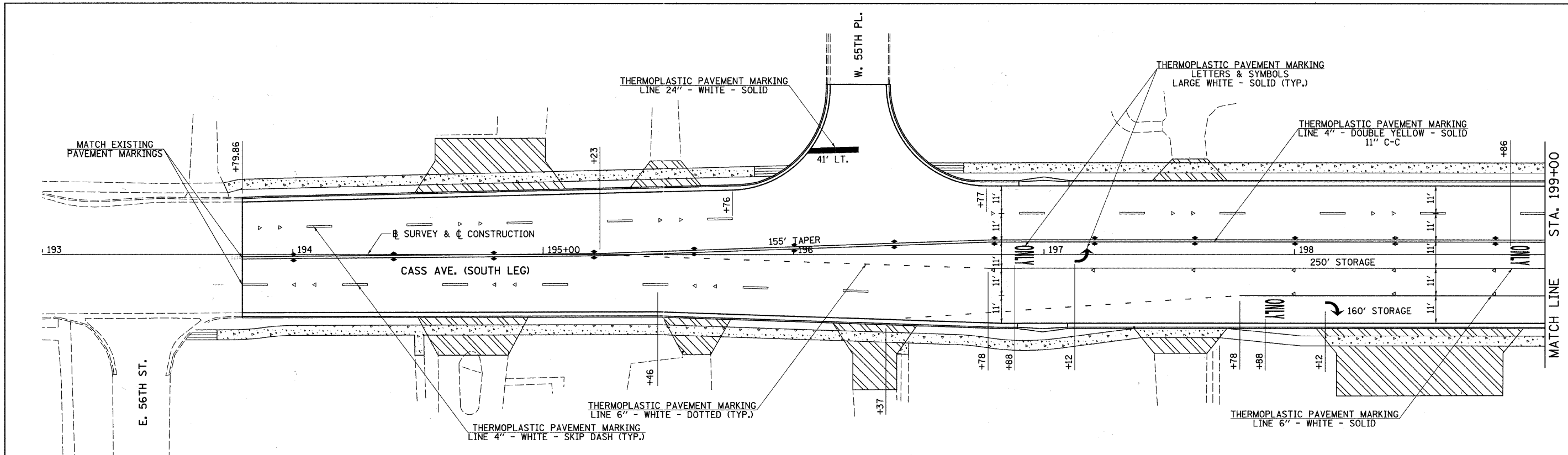
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN**

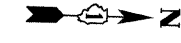
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

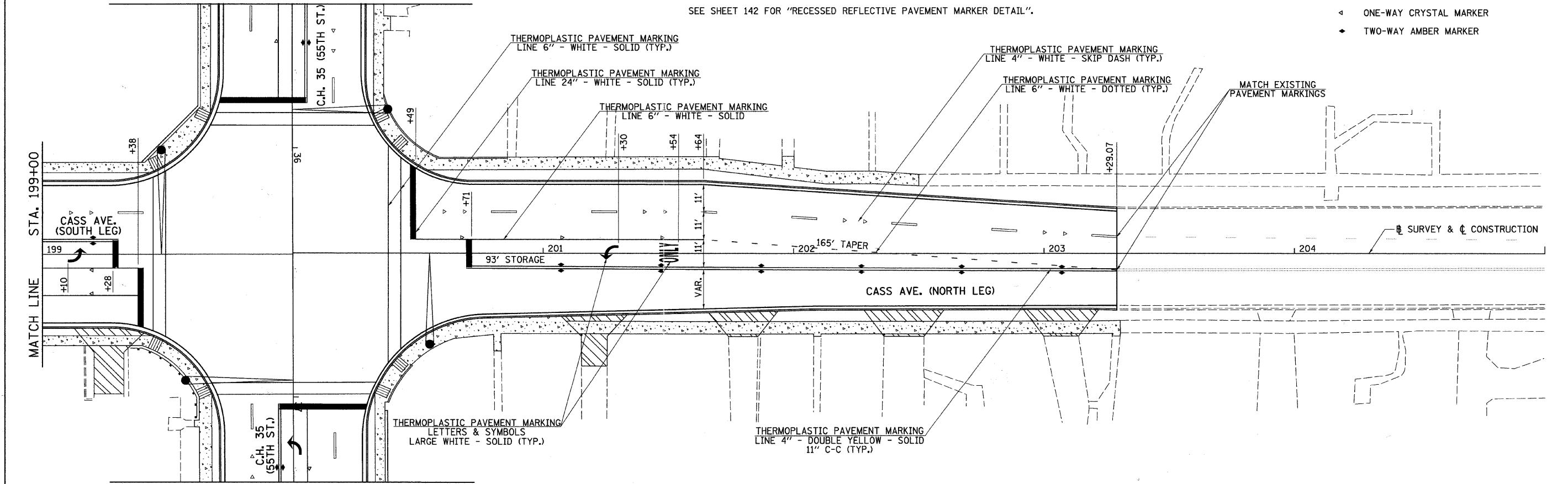


SEE C.H. 35 (55TH ST.) PAVEMENT MARKING PLANS

NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

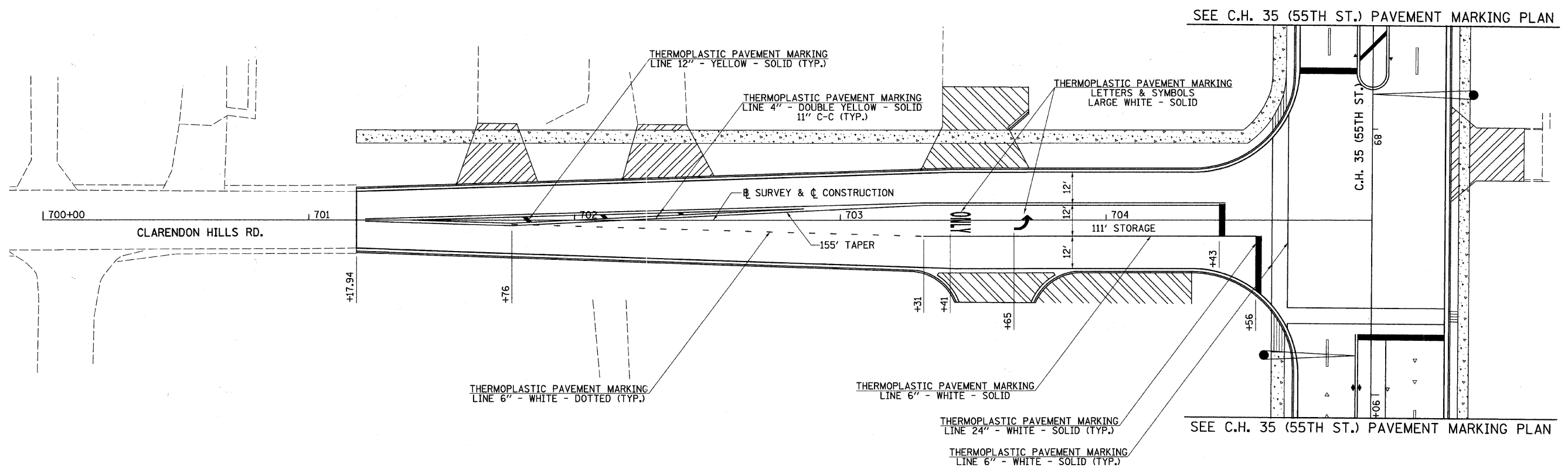


- RECESSED REFLECTIVE PAVEMENT MARKER LEGEND**
- ◀ ONE-WAY AMBER MARKER
  - ◀ ONE-WAY CRYSTAL MARKER
  - ◆ TWO-WAY AMBER MARKER



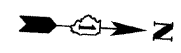
SEE C.H. 35 (55TH ST.) PAVEMENT MARKING PLANS

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	PLOT DATE = 5/19/2011	DATE -	REVISED -									



SEE C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN

SEE C.H. 35 (55TH ST.) PAVEMENT MARKING PLAN



NOTES: SEE I.D.O.T. STANDARD 780001 FOR TYPICAL PAVEMENT MARKINGS.  
 SEE SHEET 155 FOR DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.  
 SEE SHEET 119 FOR RECESSED REFLECTIVE PAVEMENT MARKER SPACING.  
 SEE SHEET 142 FOR "RECESSED REFLECTIVE PAVEMENT MARKER DETAIL".

RECESSED REFLECTIVE  
 PAVEMENT MARKER LEGEND

- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -					1504	94-00302-00-FP	DU PAGE	240	128
	PLOT DATE = 5/19/2011	DATE -	REVISED -					CONTRACT NO. 63609				
								ILLINOIS FED. AID PROJECT				
				SCALE: 1"=20'		SHEET NO. 1 OF 1 SHEETS		STA. 700+00 TO STA. 705+00				

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED IN THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION OTHERWISE IN THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATION OF DISTRICT 1 AND CONTRACTORS SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

**REMOVAL SCHEDULE**

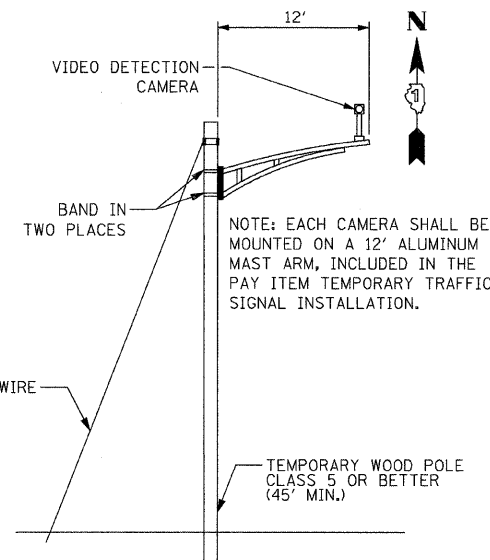
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: DUPAGE DEPARTMENT OF TRANSPORTATION
- 4 EACH LIGHT DETECTOR
  - 4 EACH LIGHT DETECTOR AMPLIFIER
  - 1 EACH CONTROLLER AND CABINET (COMPLETE WITH CONTENTS)
  - 4 EACH STREET NAME SIGNS

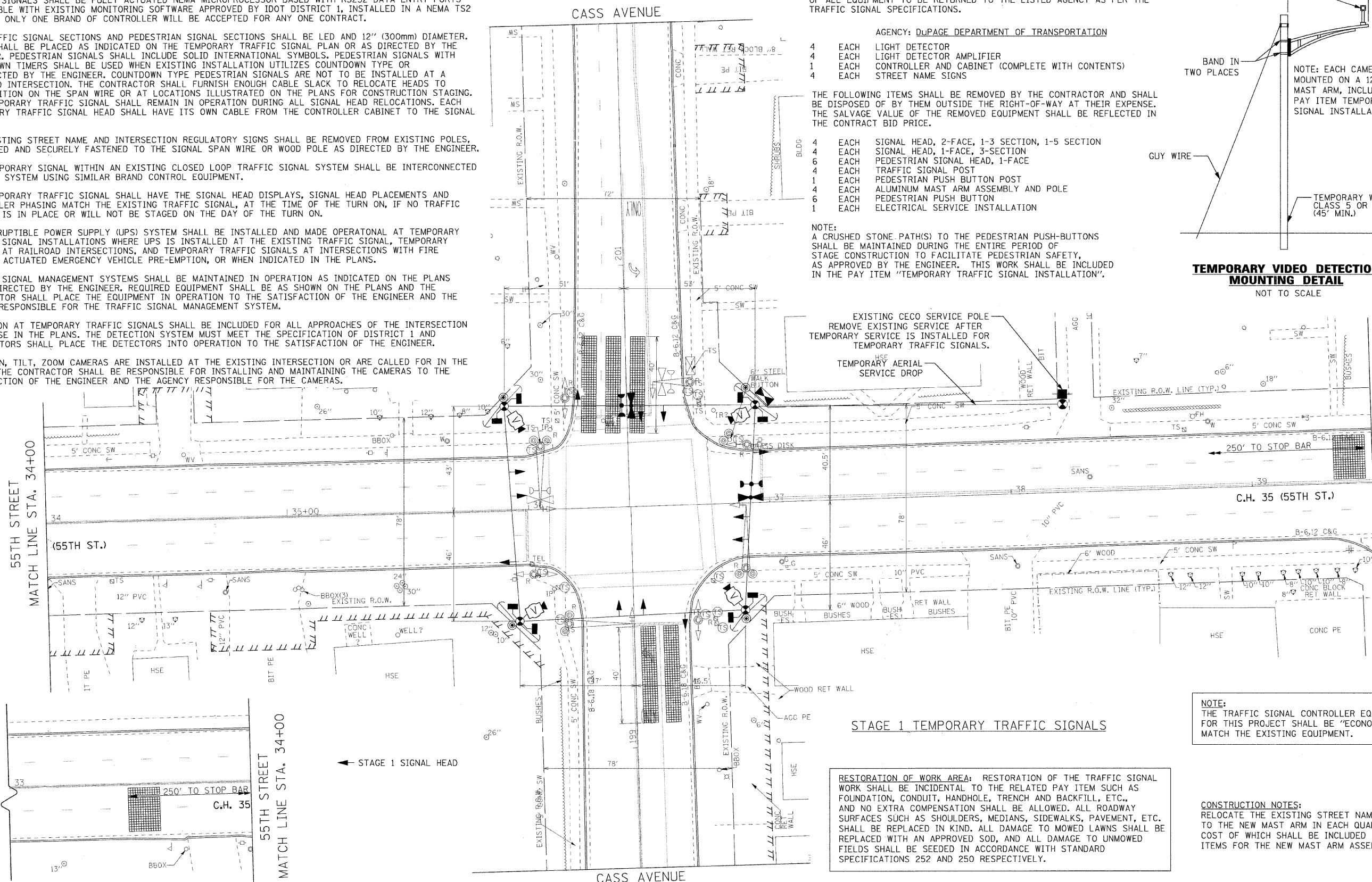
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 6 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH PEDESTRIAN PUSH BUTTON POST
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 6 EACH PEDESTRIAN PUSH BUTTON
- 1 EACH ELECTRICAL SERVICE INSTALLATION

NOTE: A CRUSHED STONE PATH(S) TO THE PEDESTRIAN PUSH-BUTTONS SHALL BE MAINTAINED DURING THE ENTIRE PERIOD OF STAGE CONSTRUCTION TO FACILITATE PEDESTRIAN SAFETY, AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".



**TEMPORARY VIDEO DETECTION MOUNTING DETAIL**  
NOT TO SCALE



EXISTING CECO SERVICE POLE REMOVE EXISTING SERVICE AFTER TEMPORARY SERVICE IS INSTALLED FOR TEMPORARY TRAFFIC SIGNALS.

TEMPORARY AERIAL SERVICE DROP

**STAGE 1 TEMPORARY TRAFFIC SIGNALS**

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

CONSTRUCTION NOTES: RELOCATE THE EXISTING STREET NAME SIGNS TO THE NEW MAST ARM IN EACH QUADRANT, THE COST OF WHICH SHALL BE INCLUDED IN THE PAY ITEMS FOR THE NEW MAST ARM ASSEMBLY AND POLE.

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Chicago, Illinois 60607

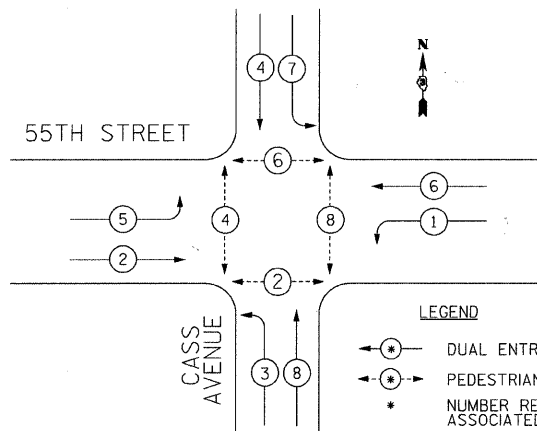
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		DATE - 05/11/2011	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN</b>	
<b>C.H. 35 (55TH STREET) &amp; CASS AVENUE</b>	
SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DUPAGE	240	129
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	

CONTROLLER SEQUENCE

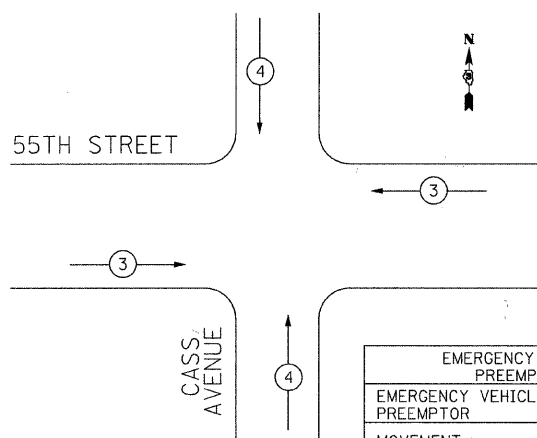


LEGEND

- ⊙ DUAL ENTRY PHASE
- ⊙ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

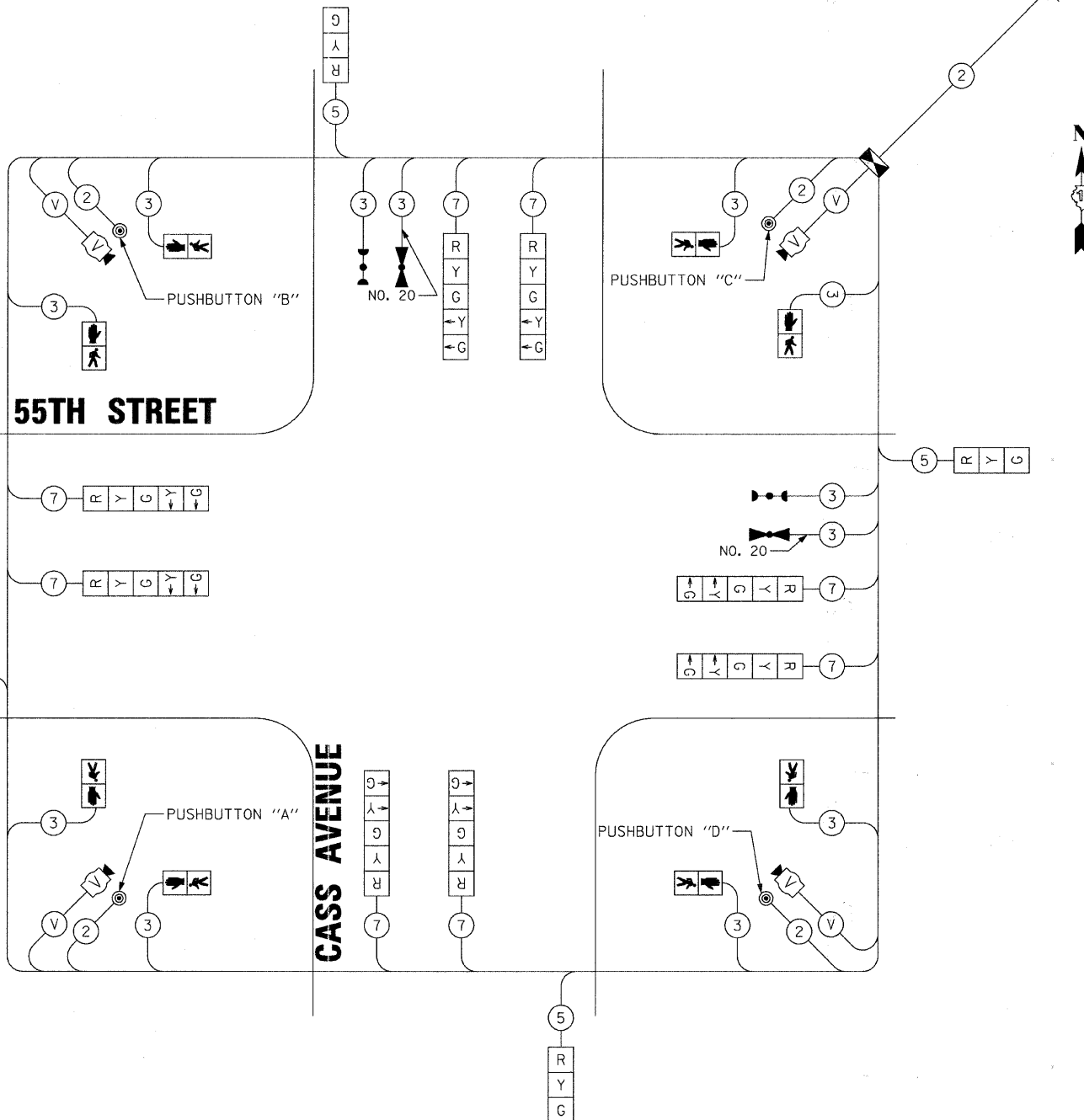
TEMPORARY PHASE DESIGNATION DIAGRAM

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↕↕

REMOVE EXISTING SERVICE AFTER TEMPORARY SERVICE IS INSTALLED FOR TEMPORARY TRAFFIC SIGNALS



ALL STAGES  
TEMPORARY CABLE PLAN

NOTE:  
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4  
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6  
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8  
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

NOTE:  
THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL REMAIN ENERGIZED DURING CONSTRUCTION STAGE 1 THROUGH CONSTRUCTION STAGE 6.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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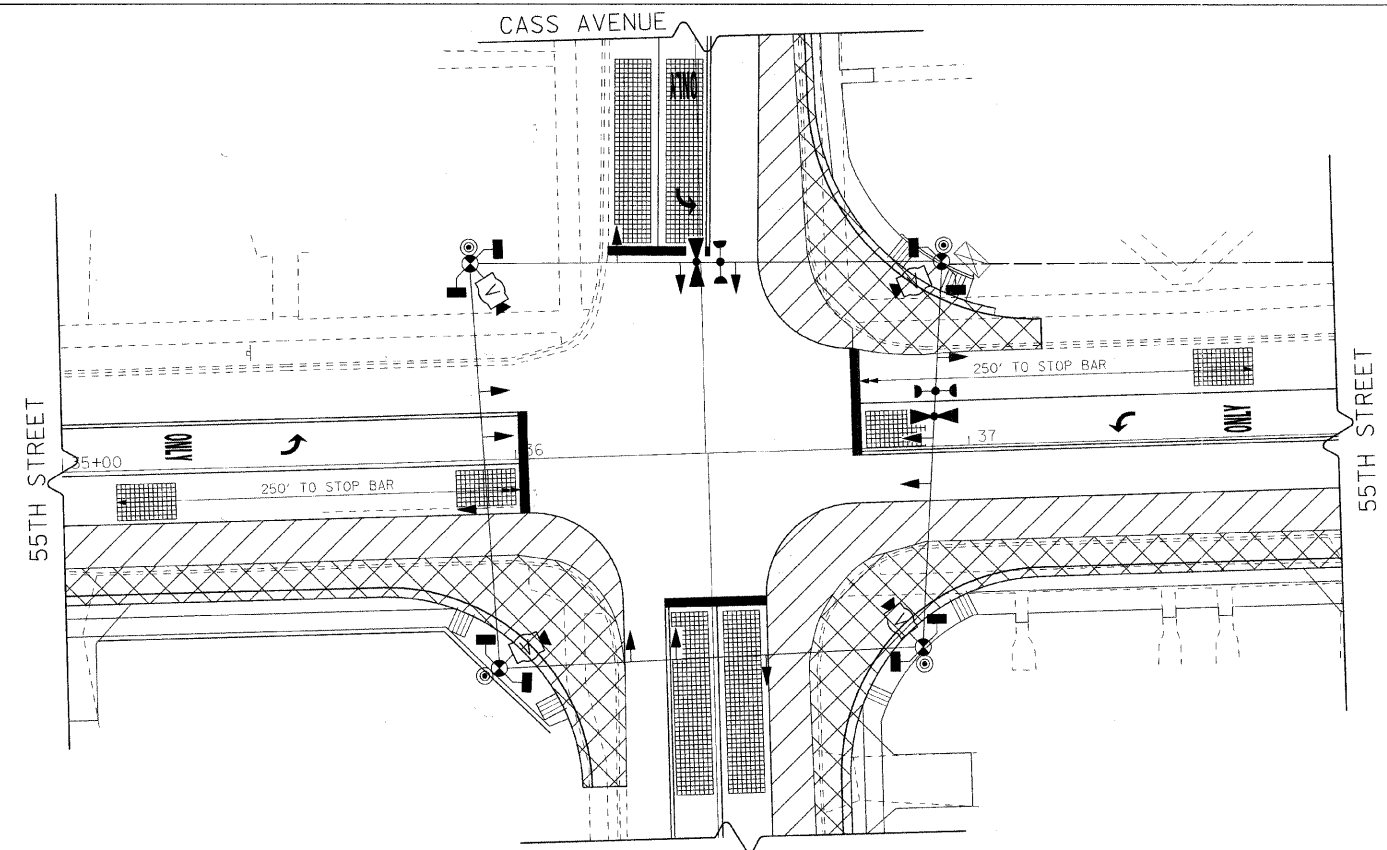
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

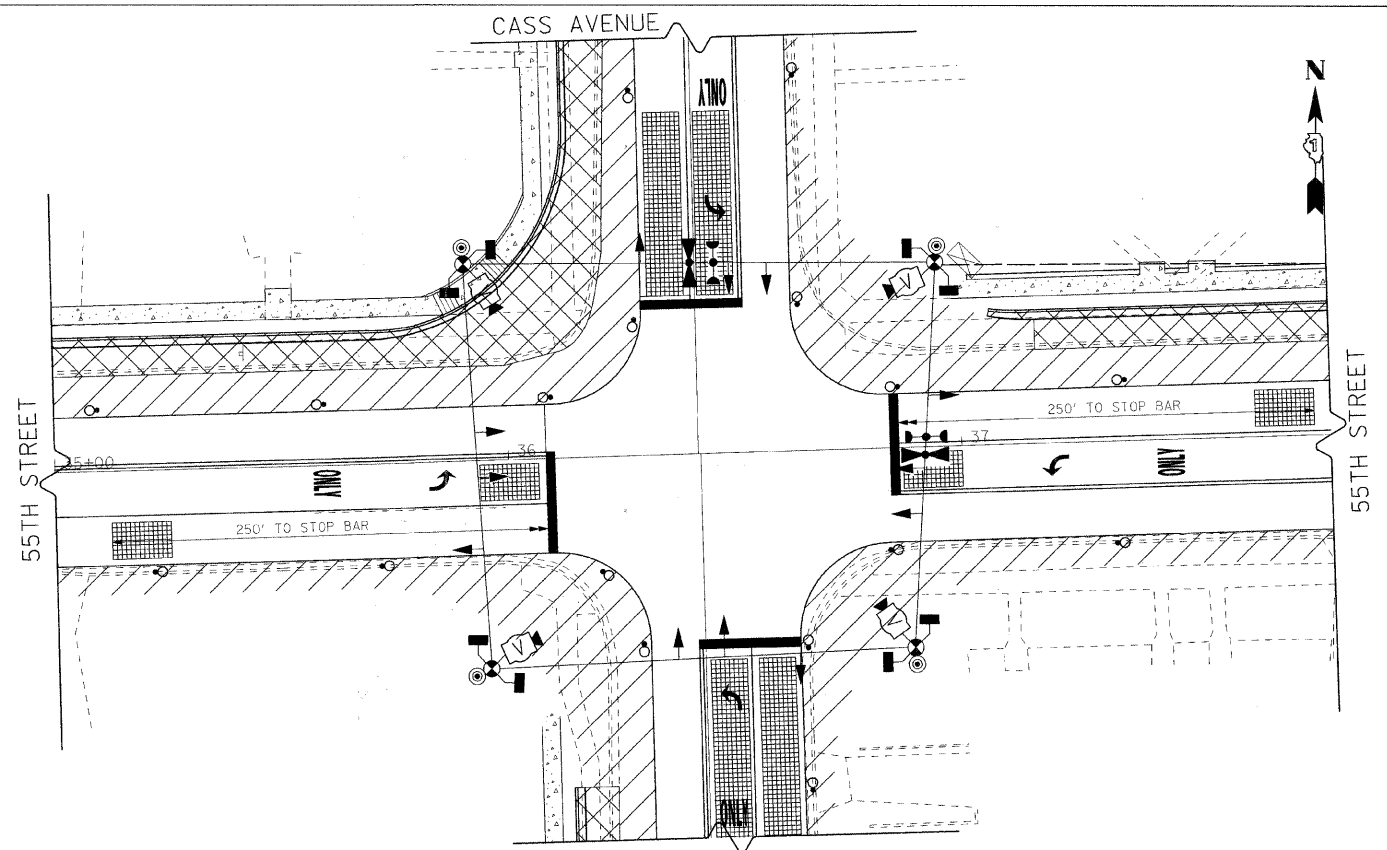
TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
C.H. 35 (55TH STREET) & CASS AVENUE

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS

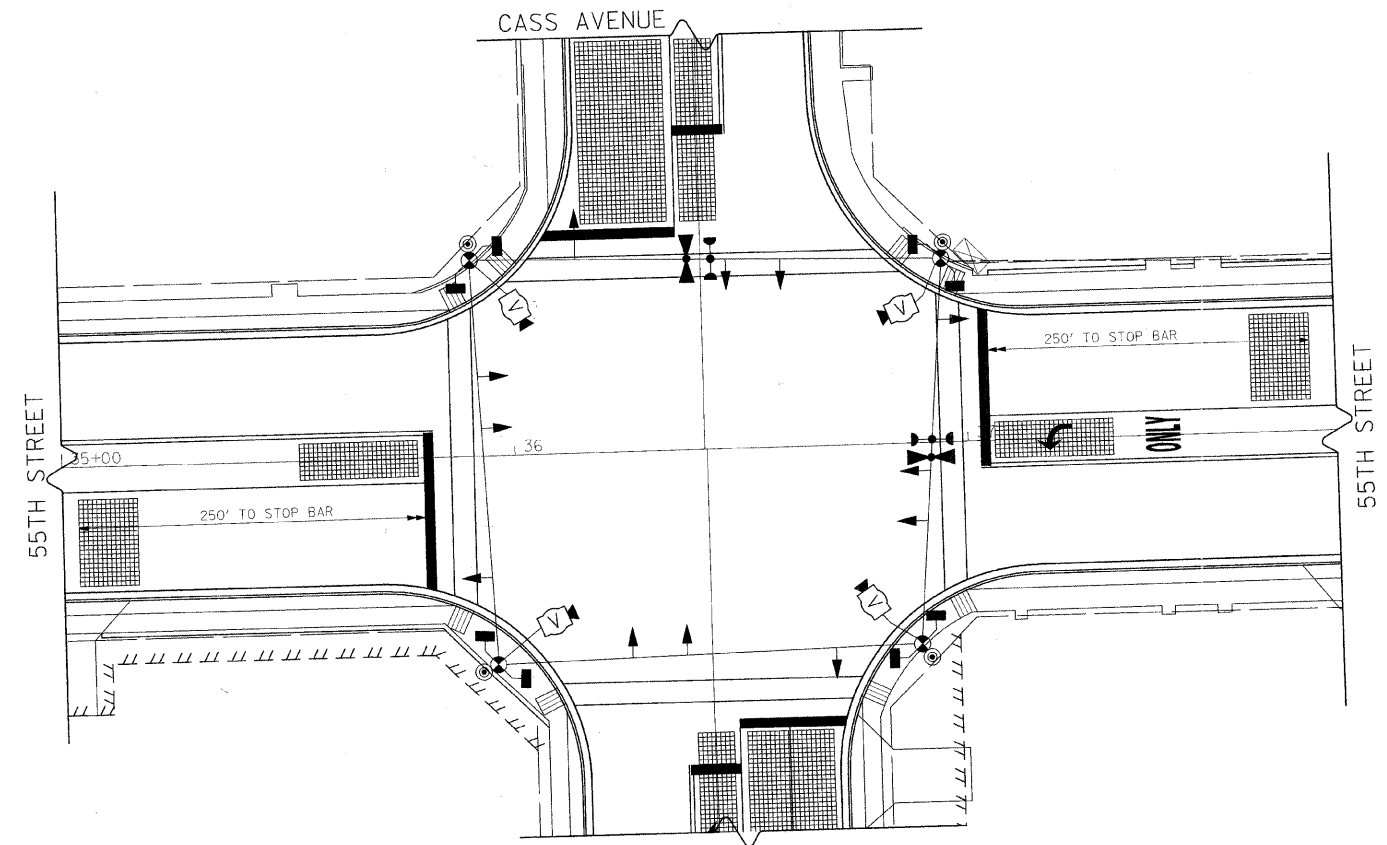
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1504	94-00302-00-FP	DUPAGE	240	130
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	



STAGE 2 TEMPORARY TRAFFIC SIGNALS



STAGE 3 TEMPORARY TRAFFIC SIGNALS



STAGE 4, 5, & 6 TEMPORARY TRAFFIC SIGNALS

NOTE: SEE SHEET 2 FOR CABLE PLAN

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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Chicago, Illinois 60607



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		DATE - 05/11/2011	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 2,3,4,5 & 6 TEMPORARY TRAFFIC SIGNALS  
C.H. 35 (55TH STREET) & CASS AVENUE

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 131
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	

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 Chicago, Illinois 60607



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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

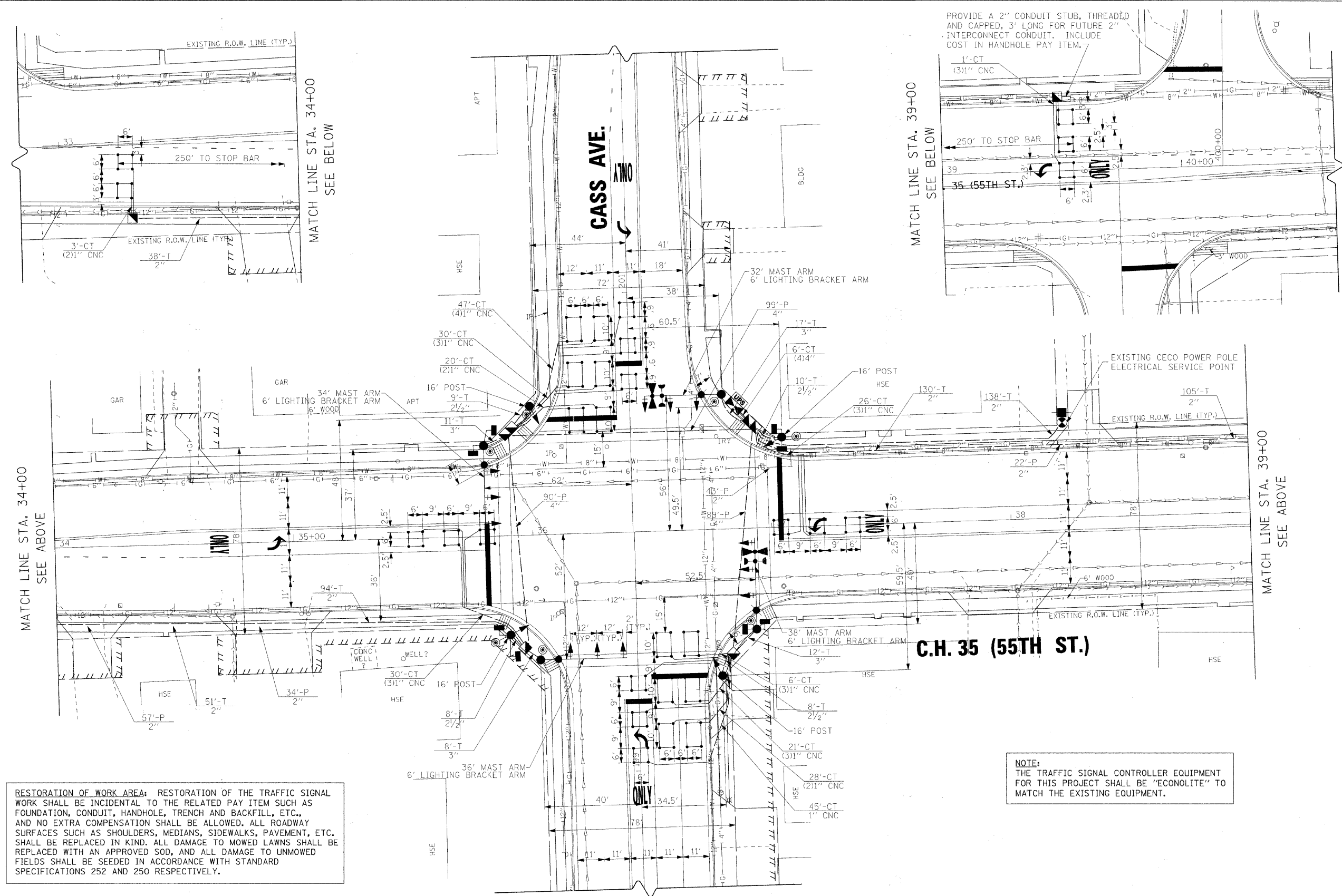
**TRAFFIC SIGNAL MODERNIZATION PLAN  
 C.H. 35 (55TH STREET) & CASS AVENUE**

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
1504	94-00302-00-FP	DUPAGE	240	132
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	

**RESTORATION OF WORK AREA:** RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

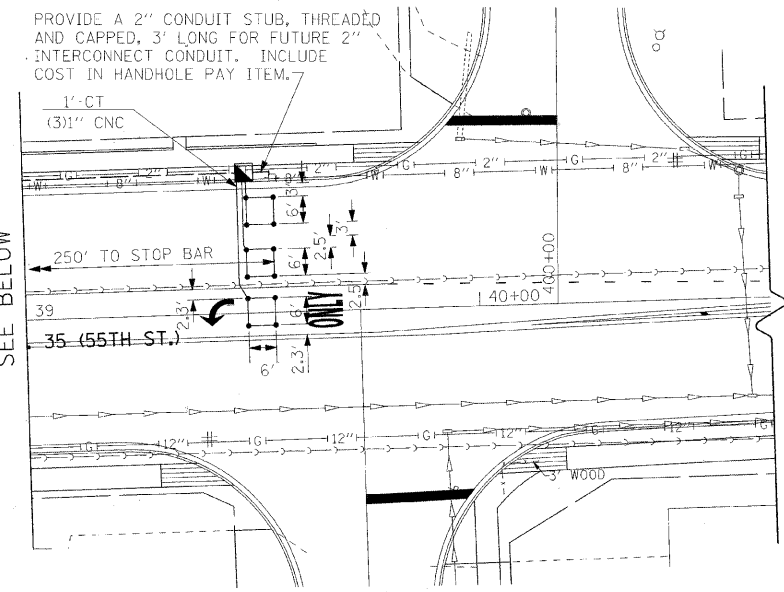


MATCH LINE STA. 34+00  
 SEE ABOVE

MATCH LINE STA. 34+00  
 SEE BELOW

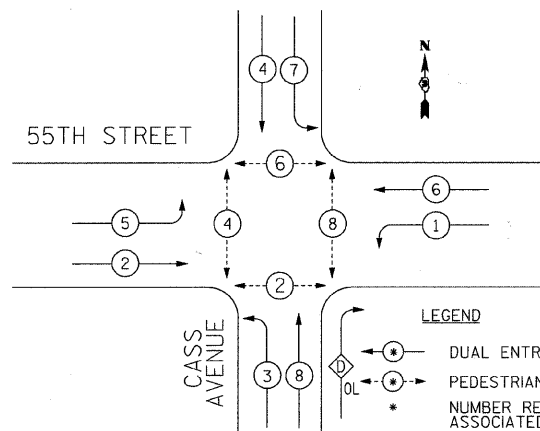
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 SEE BELOW

MATCH LINE STA. 39+00  
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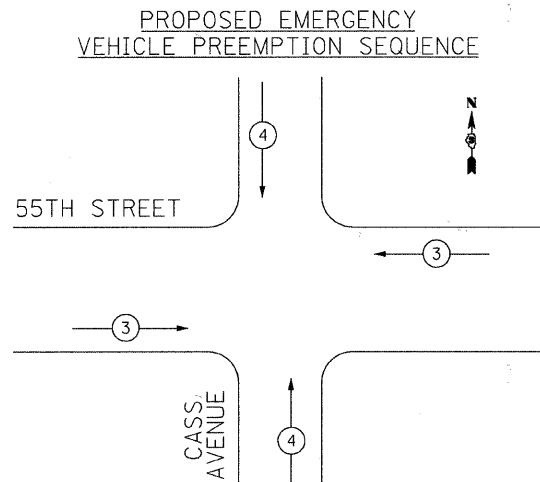




CONTROLLER SEQUENCE

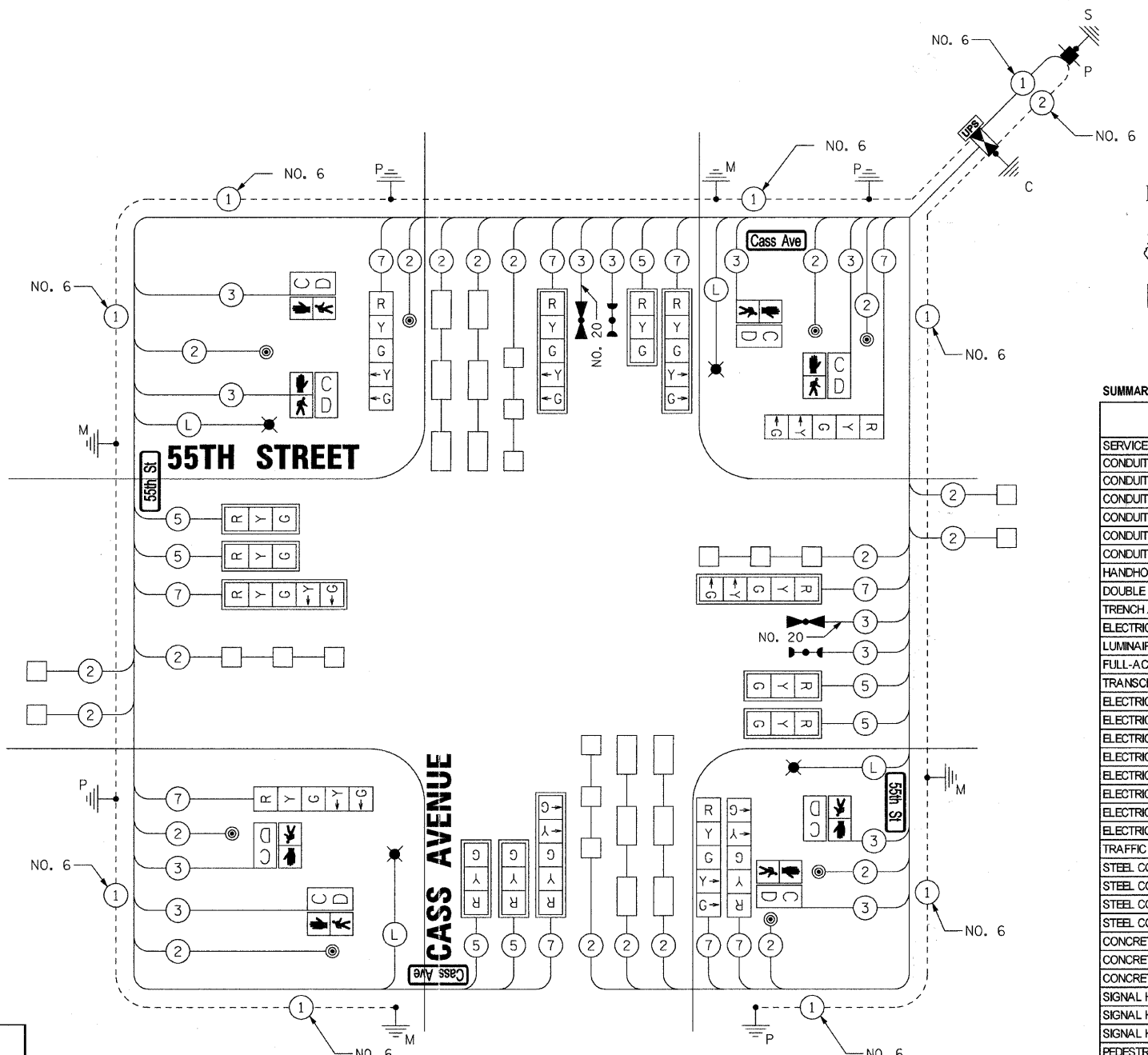


PROPOSED PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



CABLE PLAN

(L) 2-1/2" #8 LIGHTING CABLE

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

NOTE: SURGE ARRESTORS, FUSES, AND BREAKAWAY FUSEHOLDERS ARE REQUIRED IN EACH COMBINATION MAST ARM ASSEMBLY, AS SHOWN ON HIGHWAY STANDARD 877011-04, AND DESCRIBED IN SECTION 1065 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007. THIS WORK SHALL BE INCLUDED IN THE APPROPRIATE COMBINATION MAST ARM ASSEMBLY PAY ITEM.

SUMMARY OF TRAFFIC SIGNAL QUANTITIES - CASS AVENUE

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	559
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	33
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	48
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	24
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	113
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	295
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	838
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 8	FOOT	1526
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C	FOOT	590
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1152
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	1471
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1392
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	1600
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2885
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FOOT	186
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	285
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1047
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1

I. D. O. T.				
TRAFFIC SIGNAL INSTALLATION				
ELECTRICAL SERVICE REQUIREMENTS				
C.H.35 (55TH STREET) & CASS AVENUE				
TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
(RED)	17	17	0.50	144.50
(YELLOW)	17	25	0.25	106.25
(GREEN)	17	15	0.25	63.75
ARROW	20	12	0.10	24.00
PEDESTRIAN SIGNAL	8	25	1.00	200.00
CONTROLLER	1	100	1.00	100.00
LUMINAIRE, HPS, 310W	4	400	0.52	832.00
FLASHER	0	25	0.50	0.00
TOTAL =				1470.50

ENERGY COSTS TO: DUPAGE COUNTY

ENERGY SUPPLY: CONTACT: JUANITA VEIGELT  
PHONE: (815) 739-1577  
COMPANY: COMM EDISON

EJM ENGINEERING, INC.  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

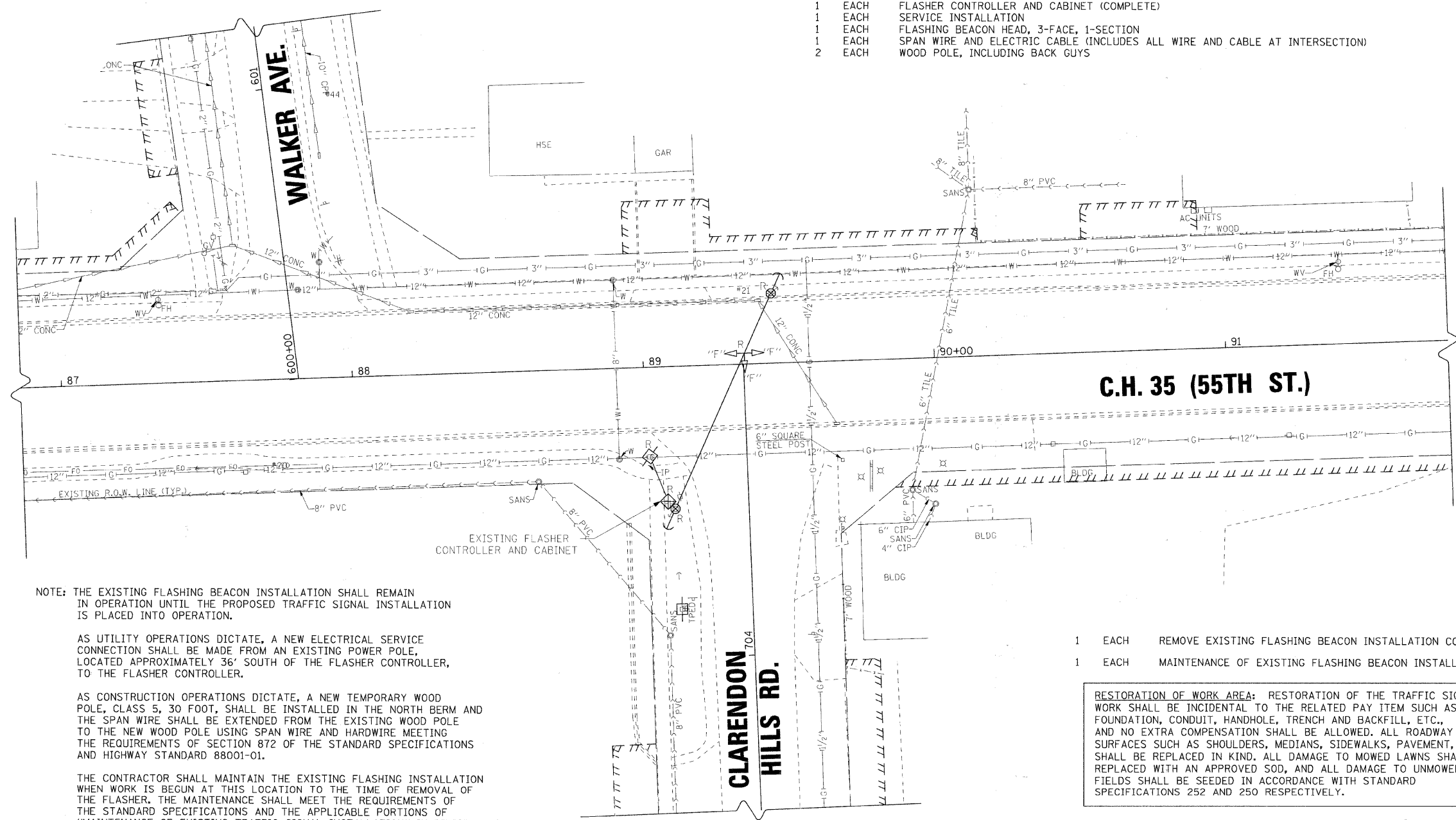
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			
C.H. 35 (55TH STREET) & CASS AVENUE			
SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	F.A.U. RTE. 1504	SECTION 94-00302-00-FP

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	240	133
CONTRACT NO. 63609		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY, AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH FLASHER CONTROLLER AND CABINET (COMPLETE)
- 1 EACH SERVICE INSTALLATION
- 1 EACH FLASHING BEACON HEAD, 3-FACE, 1-SECTION
- 1 EACH SPAN WIRE AND ELECTRIC CABLE (INCLUDES ALL WIRE AND CABLE AT INTERSECTION)
- 2 EACH WOOD POLE, INCLUDING BACK GUYS



NOTE: THE EXISTING FLASHING BEACON INSTALLATION SHALL REMAIN IN OPERATION UNTIL THE PROPOSED TRAFFIC SIGNAL INSTALLATION IS PLACED INTO OPERATION.

AS UTILITY OPERATIONS DICTATE, A NEW ELECTRICAL SERVICE CONNECTION SHALL BE MADE FROM AN EXISTING POWER POLE, LOCATED APPROXIMATELY 36' SOUTH OF THE FLASHER CONTROLLER, TO THE FLASHER CONTROLLER.

AS CONSTRUCTION OPERATIONS DICTATE, A NEW TEMPORARY WOOD POLE, CLASS 5, 30 FOOT, SHALL BE INSTALLED IN THE NORTH BERM AND THE SPAN WIRE SHALL BE EXTENDED FROM THE EXISTING WOOD POLE TO THE NEW WOOD POLE USING SPAN WIRE AND HARDWARE MEETING THE REQUIREMENTS OF SECTION 872 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 88001-01.

THE CONTRACTOR SHALL MAINTAIN THE EXISTING FLASHING INSTALLATION WHEN WORK IS BEGUN AT THIS LOCATION TO THE TIME OF REMOVAL OF THE FLASHER. THE MAINTENANCE SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION" IN DIVISION 800 OF THESE SPECIFICATIONS.

THE ABOVE WORK SHALL BE INCLUDED IN THE PAY ITEM "MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION".

- 1 EACH REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
- 1 EACH MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION

**RESTORATION OF WORK AREA:** RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

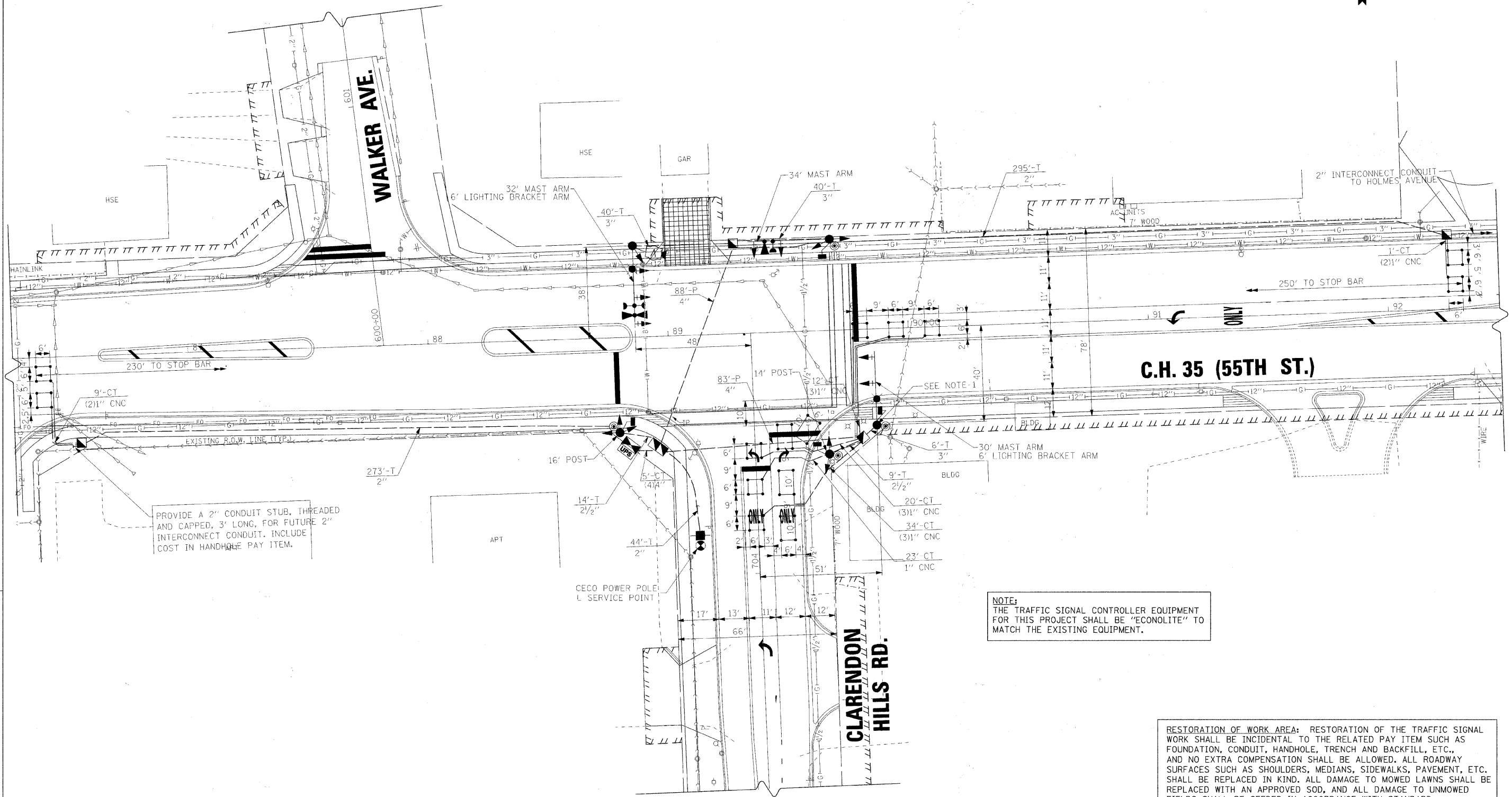
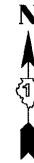
**REMOVE EXISTING FLASHING BEACON INSTALLATION  
C.H. 35 (55TH STREET) & CLARENDON HILLS ROAD**

SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 134
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63609	

**CONSTRUCTION NOTE 1:**

THE VIDEO DETECTOR IN THE NORTHWEST QUADRANT SHALL BE RIGIDLY MOUNTED ON THE MAST ARM AT A HEIGHT OF 20 FEET, IN A MANNER APPROVED BY THE ENGINEER.



PROVIDE A 2" CONDUIT STUB, THREADED AND CAPPED, 3' LONG, FOR FUTURE 2" INTERCONNECT CONDUIT. INCLUDE COST IN HANDHOLE PAY ITEM.

**NOTE:**  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

**RESTORATION OF WORK AREA:** RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607

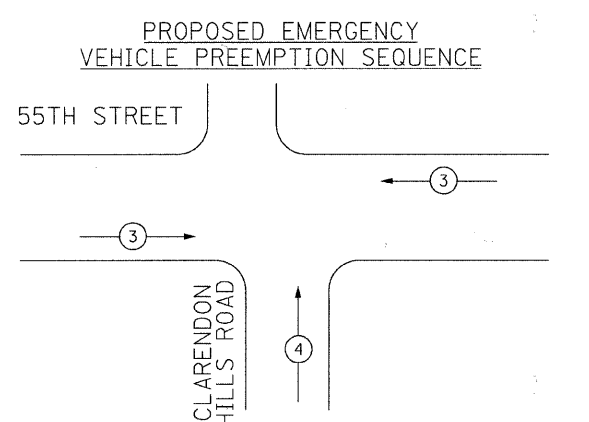
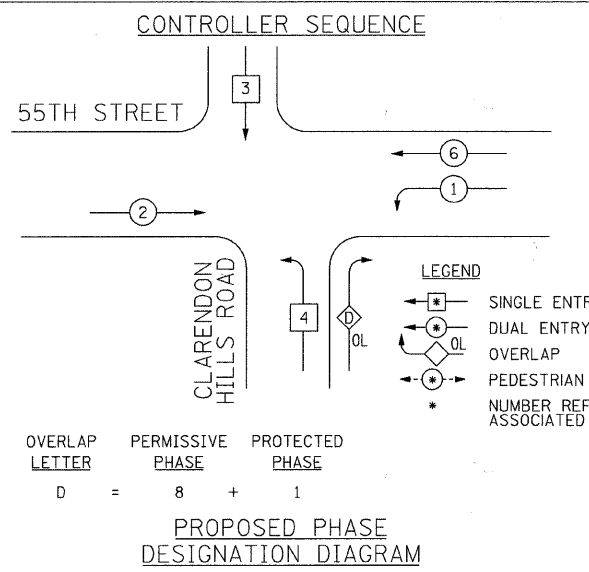


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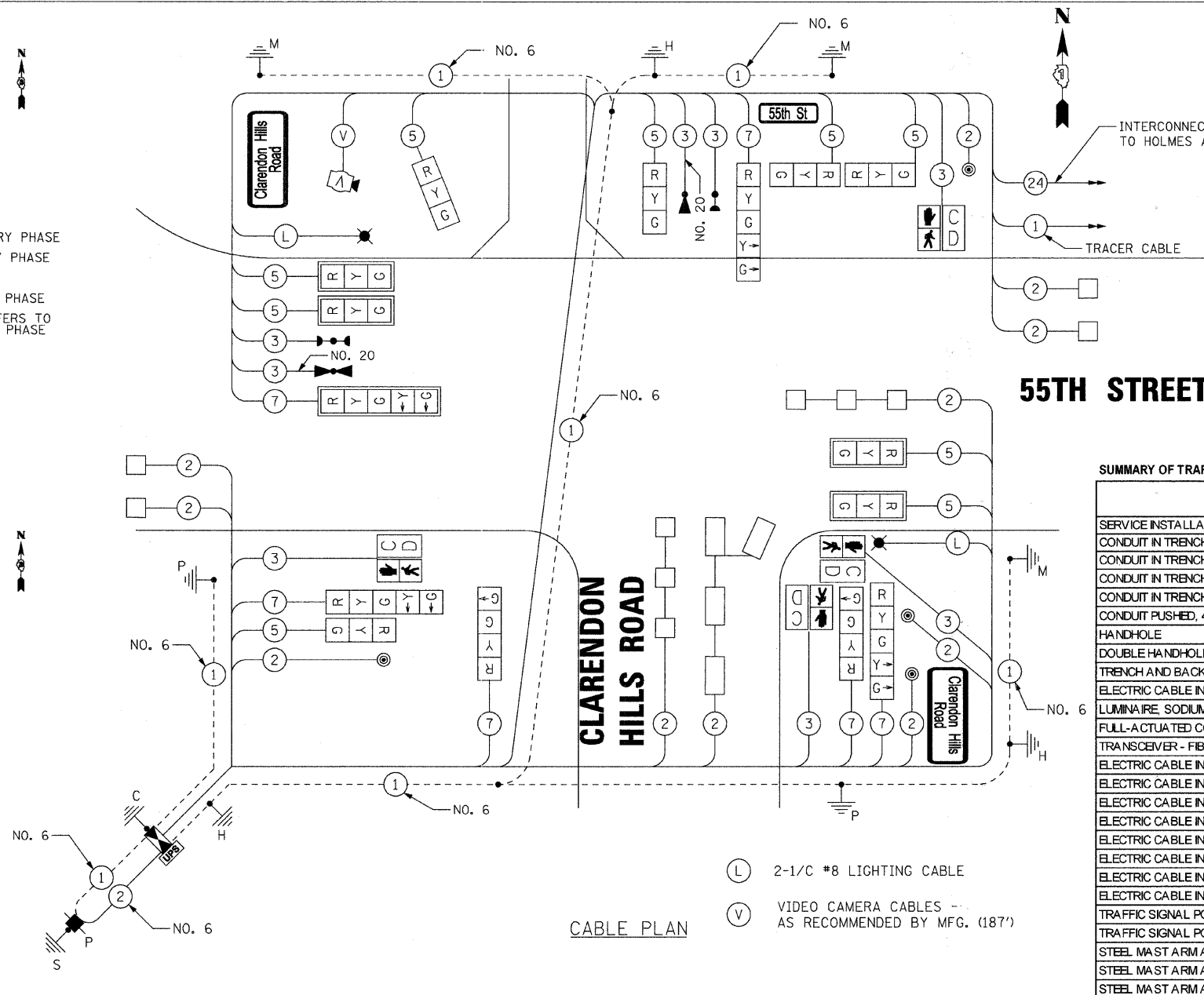
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
C.H. 35 (55TH STREET) & CLARENDON HILLS ROAD**  
SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DUPAGE	240	135
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63609	



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑



RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SUMMARY OF TRAFFIC SIGNAL QUANTITIES - CLARENDON HILLS RD		
ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH 2" DIA., GALVANIZED STEEL	FOOT	612
CONDUIT IN TRENCH 2 1/2" DIA., GALVANIZED STEEL	FOOT	23
CONDUIT IN TRENCH 3" DIA., GALVANIZED STEEL	FOOT	86
CONDUIT IN TRENCH 4" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	171
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	790
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 8	FOOT	790
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C	FOOT	326
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	449
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	778
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1171
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	571
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1664
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FOOT	54
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	301
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	499
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
VIDEO DETECTION SYSTEM	EACH	1
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

NOTE: SURGE ARRESTORS, FUSES, AND BREAKAWAY FUSEHOLDERS ARE REQUIRED IN EACH COMBINATION MAST ARM ASSEMBLY, AS SHOWN ON HIGHWAY STANDARD 877011-04, AND DESCRIBED IN SECTION 1065 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007. THIS WORK SHALL BE INCLUDED IN THE APPROPRIATE COMBINATION MAST ARM ASSEMBLY PAY ITEM.

I. D. O. T.				
TRAFFIC SIGNAL INSTALLATION				
ELECTRICAL SERVICE REQUIREMENTS				
C.H.35 (55TH STREET) & CLARENDON HILLS ROAD				
TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
(RED)	14	17	0.50	119.00
(YELLOW)	14	25	0.25	87.50
(GREEN)	14	15	0.25	52.50
ARROW	10	12	0.10	12.00
PEDESTRIAN SIGNAL	4	25	1.00	100.00
CONTROLLER	1	100	1.00	100.00
VIDEO SYSTEM	1	150	1.00	150.00
LUMINAIRE, HPS, 400W	2	400	0.52	416.00
FLASHER	0	25	0.50	0.00
TOTAL =				1037.00

ENERGY COSTS TO: DUPAGE COUNTY

ENERGY SUPPLY: CONTACT: JUANITA VEIGELT  
PHONE: (815) 739-1577  
COMPANY: COMM EDISON

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607

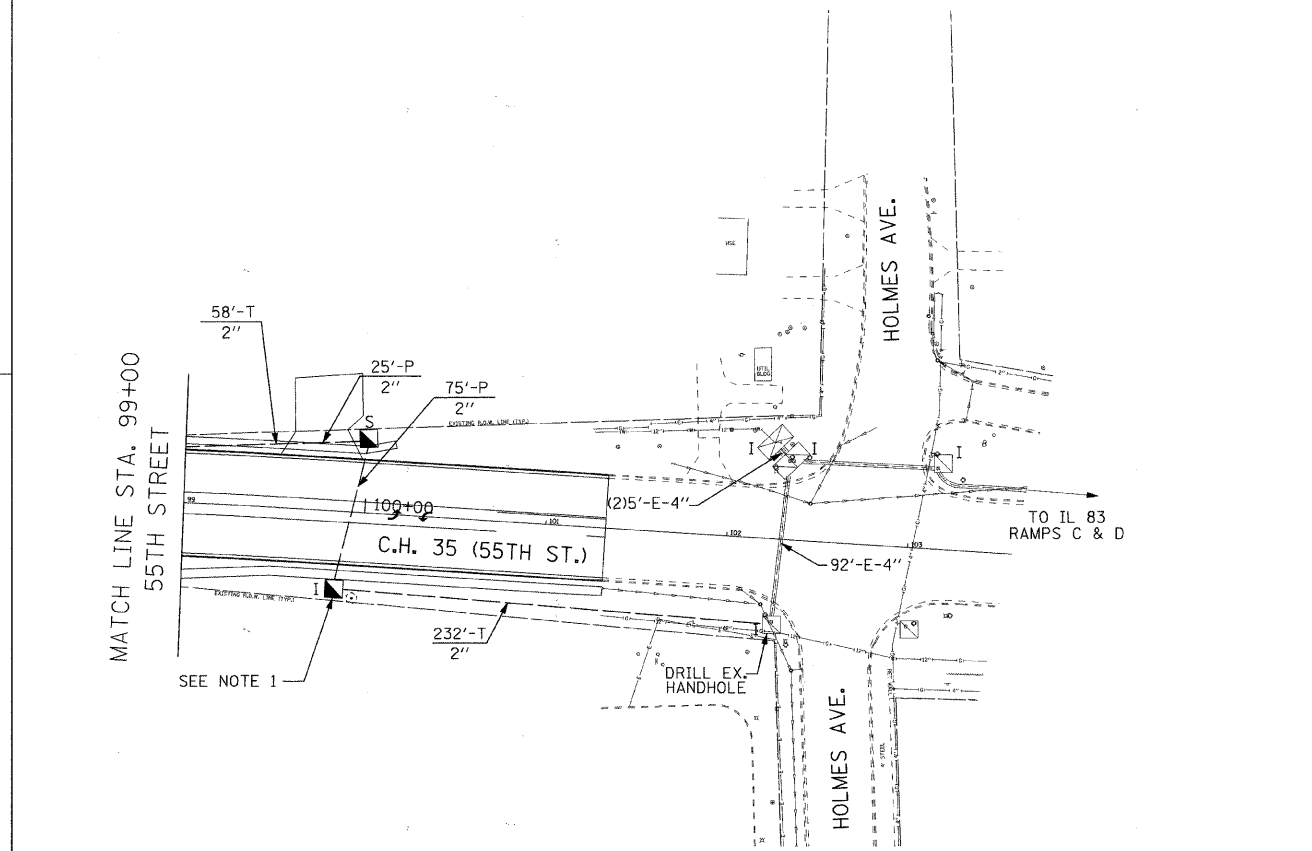
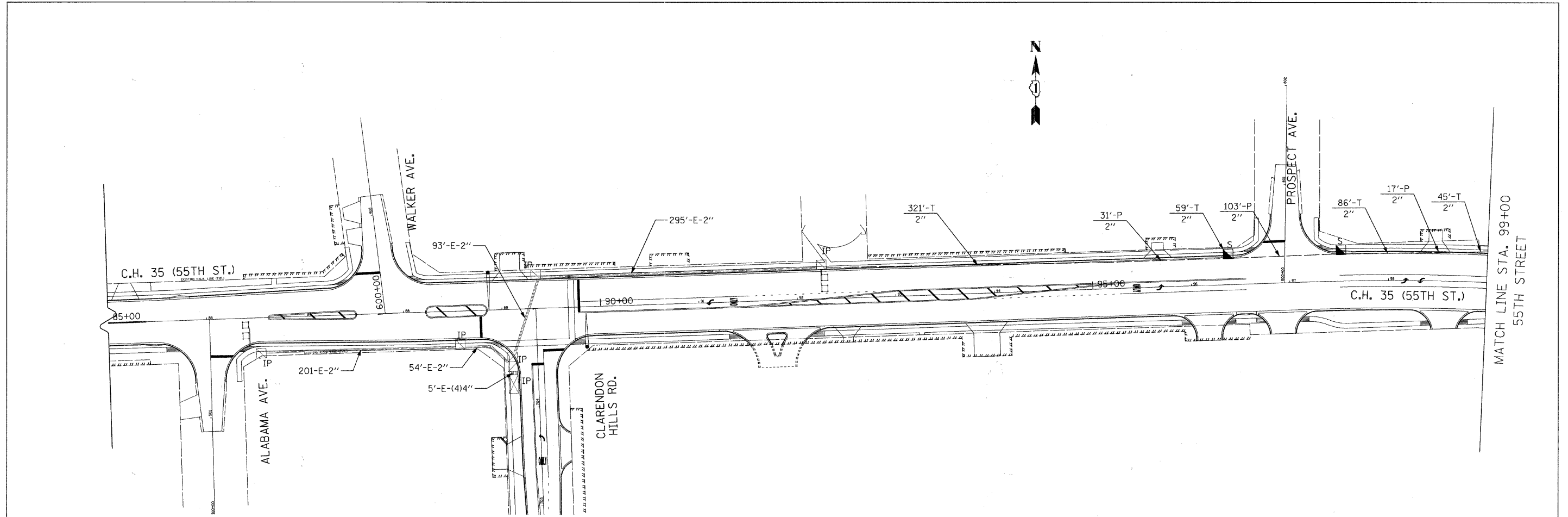
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION  
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
C.H. 35 (55TH STREET) & CLARENDON HILLS ROAD

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 136
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63609	

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 Chicago, Illinois 60607



- NOTES:**
1. REMOVE EXISTING HANDHOLE AND INSTALL NEW HANDHOLE. INSTALL 2" GRS CONDUIT TO EXISTING HANDHOLE AT SOUTHWEST QUADRANT OF HOLMES AVE. INTERSECTION. REMOVE AND REPLACE EXISTING LEAD-IN CABLES, AND REPLACE EXISTING DETECTOR LOOPS.

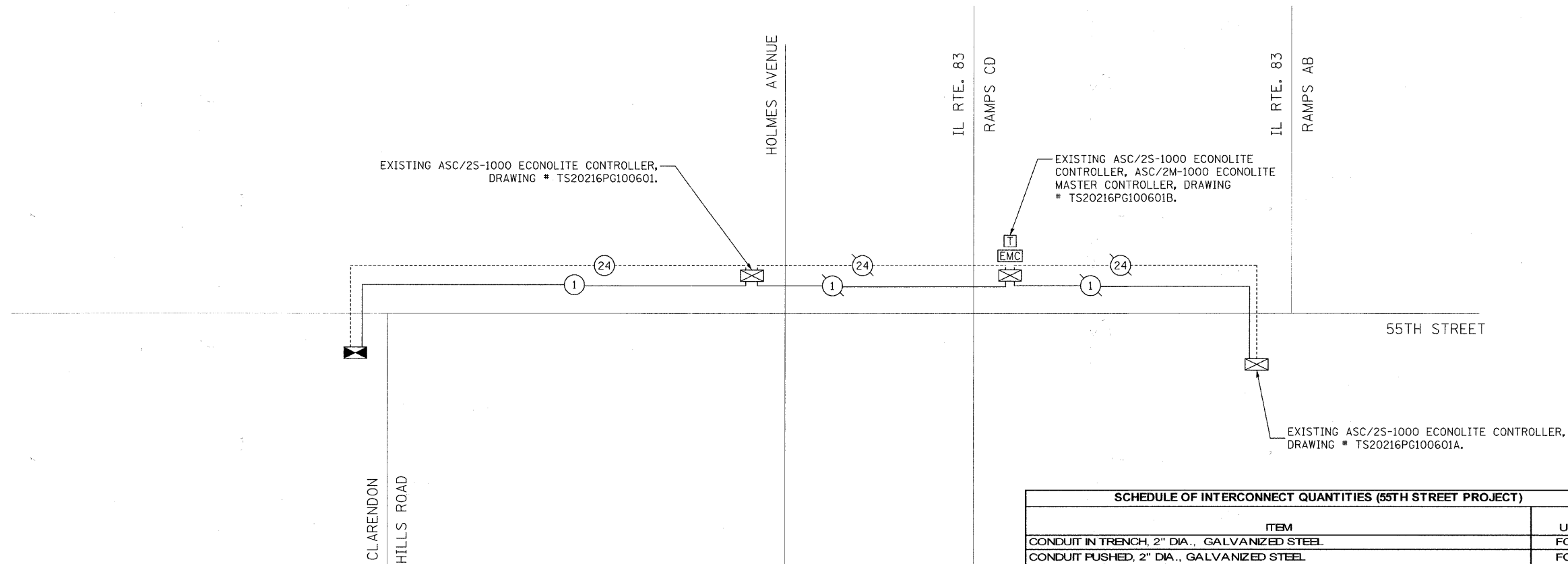
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**55TH STREET INTERCONNECT PLANS  
 CLARENDON HILLS ROAD TO ILL RTE 83 RAMPS AB**

SCALE: 1"=50'      SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 137
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63609	



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING EQUIPMENT.

SCHEDULE OF INTERCONNECT QUANTITIES (55TH STREET PROJECT)		
ITEM	UNIT	TOTAL
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	801
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	251
HANDHOLE	EACH	4
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	801
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1612
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1612
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	718
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	66
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	756
REMOVE EXISTING HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

ANY COMPONENT OR SOFTWARE REQUIRED TO PROVIDE A SATISFACTORY COORDINATED SYSTEM, SUBJECT TO THE APPROVAL OF THE ENGINEER, SHALL BE INCLUDED IN THE PROPOSED TRAFFIC SIGNAL CONTROLLER PAY ITEM AT THE INTERSECTION OF 55TH STREET AND CLARENDON HILLS ROAD.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



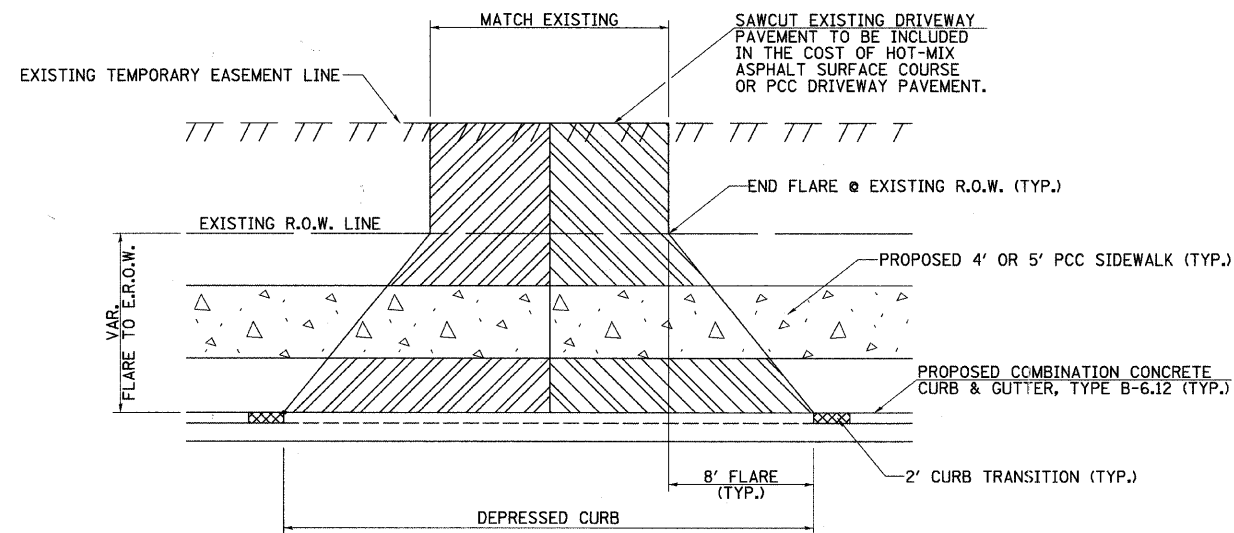
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC DIAGRAM  
CLARENDON HILLS ROAD TO ILL 83 RAMPS A & B**

SCALE: NTS SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 138
CONTRACT NO. 63609				FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT



**HOT-MIX ASPHALT ENTRANCE**

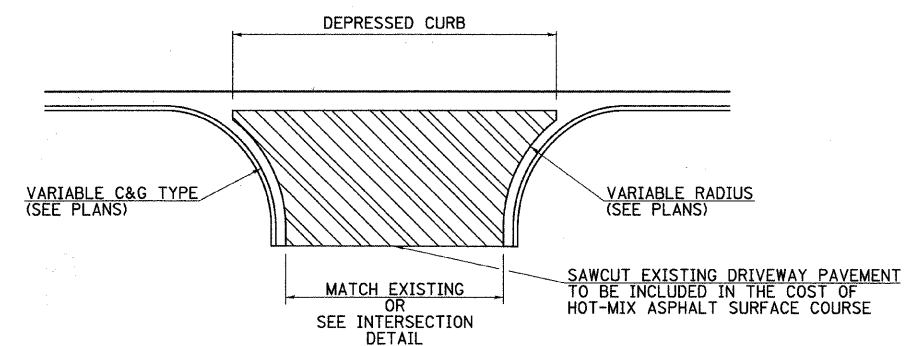
1" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50  
 8" HOT-MIX ASPHALT BINDER COURSE, MIX "C", N50  
 6" AGGREGATE BASE COURSE, TYPE B

**PCC ENTRANCE**

7" PCC DRIVEWAY PAVEMENT  
 6" SUBBASE GRANULAR MATERIAL, TYPE B

**NOTE:**  
 IN THE RESURFACING SECTIONS WHERE PROPOSED SIDEWALK IS CALLED OUT, THE DISTANCE FROM THE SIDEWALK TO THE DRIVEWAY REMOVAL LIMIT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

**PRIVATE ENTRANCE (PE) DETAIL**

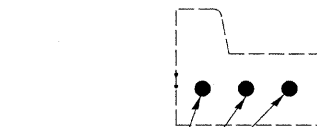
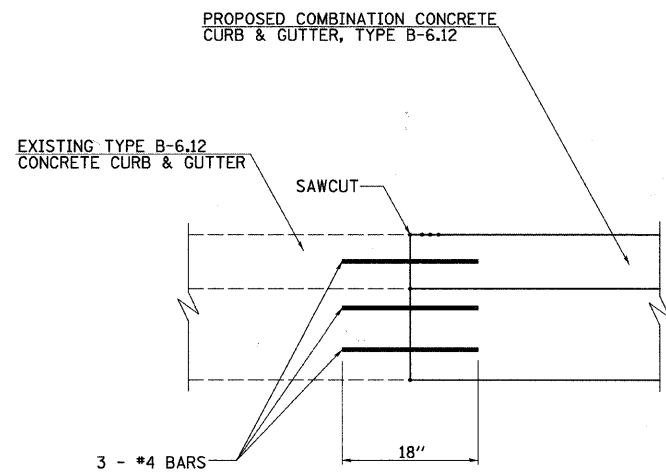


**HOT-MIX ASPHALT ENTRANCE**

1-1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50  
 8" HOT-MIX ASPHALT BASE COURSE  
 6" AGGREGATE BASE COURSE, TYPE B

**COMMERCIAL ENTRANCE (CE) DETAIL**

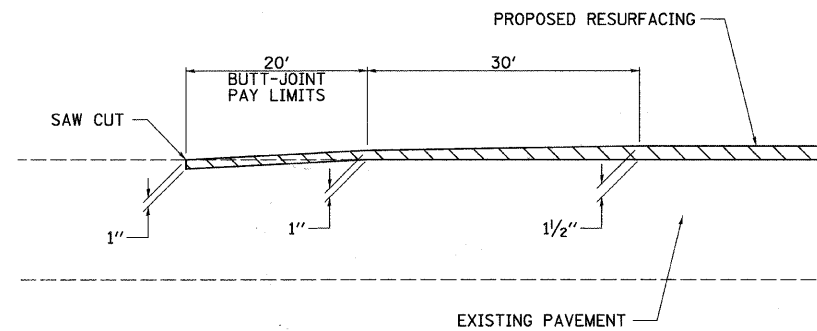
FILE NAME = v:\2791\2791h\001.dgn	USER NAME = shughes	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>C.H. 35 (55TH ST.) ENTRANCE DETAILS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISED -				1504	94-00302-00-FP	DU PAGE	240	139
	PLOT DATE = 5/19/2011	DATE -	REVISED -				CONTRACT NO. 63609				
							[ILLINOIS] FED. AID PROJECT				
				SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A				



DRILL & GROUT  
3 - #4 BARS  
EVENLY SPACED  
INTO EXISTING  
CURB & GUTTER

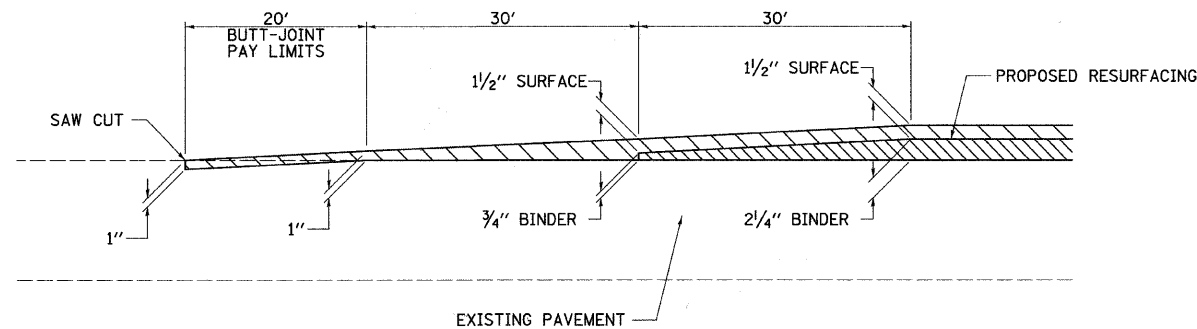
NOTE:  
THIS WORK WILL NOT BE PAID  
FOR SEPARATELY, BUT SHALL BE  
INCLUDED IN THE COST OF THE  
PROPOSED B-6.12 CURB & GUTTER.

**DETAILS TO TIE EXISTING CURB & GUTTER  
TO PROPOSED CURB & GUTTER**



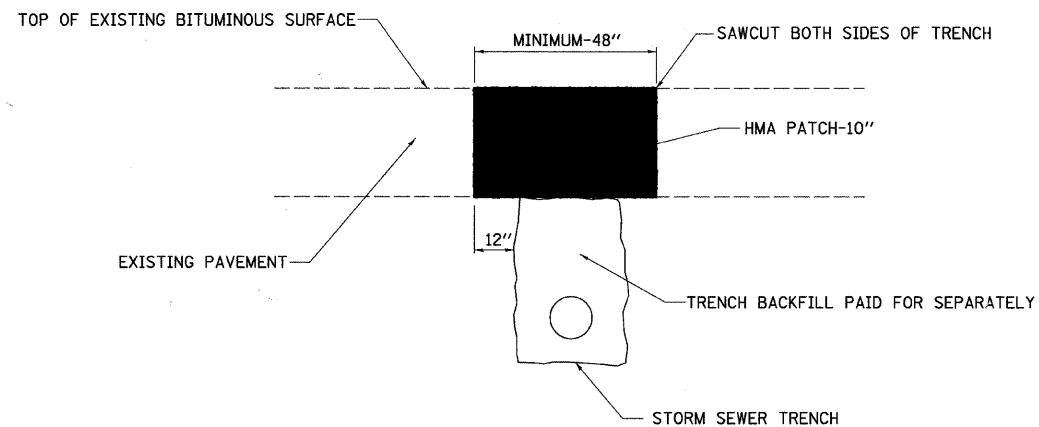
**BUTT JOINT DETAIL  
(SIDE ROADS)**

LINDEN ST. (SOUTH & NORTH LEGS)  
ALABAMA AVE.  
WALKER AVE.  
CLARENDON HILLS RD.  
PROSPECT AVE.



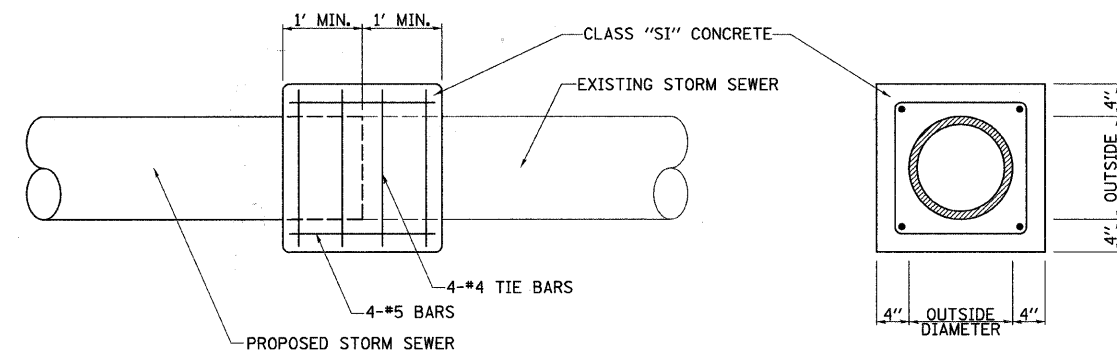
**BUTT JOINT DETAIL**

C.H. 35 (55TH ST.)  
CASS AVE. (SOUTH & NORTH LEGS)



NOTE:  
THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH  
SHALL BE 12 INCHES WIDER ON EACH SIDE OF THE TRENCH.

**PAVEMENT REMOVAL AND HOT MIX ASPHALT REPLACEMENT DETAIL**



CONCRETE COLLAR				
STATION	OFFSET	SIDE	EACH	
CASS AVE. (SOUTH LEG)				
195+61.80	21.7	LT	1	
197+48.50	23.1	RT	1	

NOTE:  
COST OF CONCRETE COLLAR SHALL BE  
INCIDENTAL TO PROPOSED PIPE.

**CONCRETE COLLAR DETAIL**

FILE NAME =  
v:\2791\2791h002.dgn

USER NAME = shughes  
PLOT SCALE = 1/8" = 1' IN.  
PLOT DATE = 5/19/2011

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

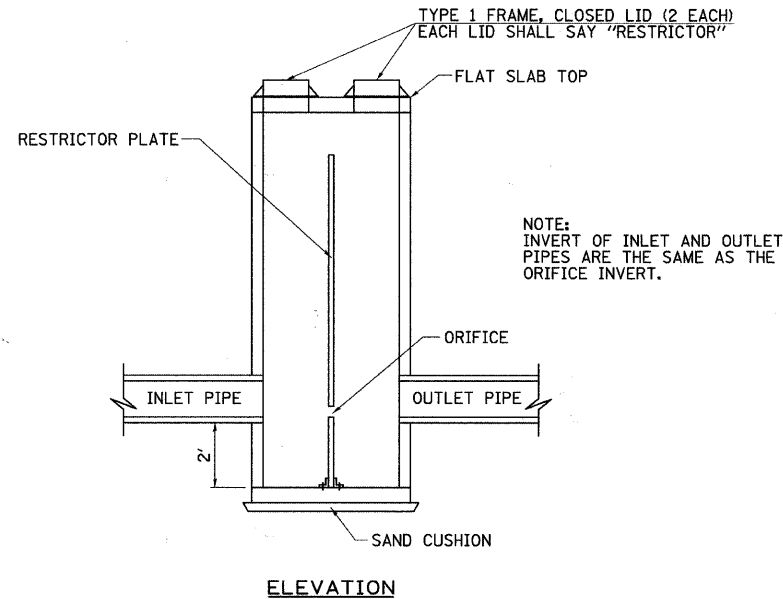
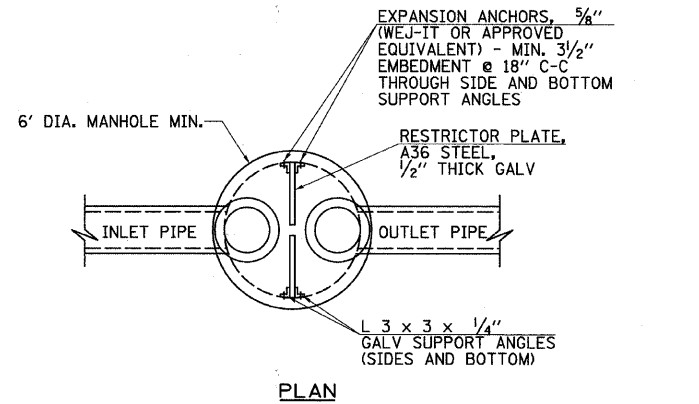
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) CONSTRUCTION DETAILS**

SCALE: N/A SHEET NO. 1 OF 4 SHEETS STA. N/A TO STA. N/A

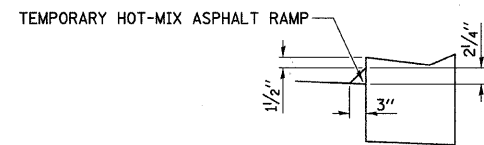
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP		240	140
			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				





RESTRICTOR MANHOLE DATA				
STRUCTURE NUMBER	STATION	RESTRICTOR DIAMETER (IN.)	INVERT ELEVATION	T/PLATE ELEVATION
41	87+54.8	22.92	734.80	738.90
68	99+11.2	13.44	740.70	745.50

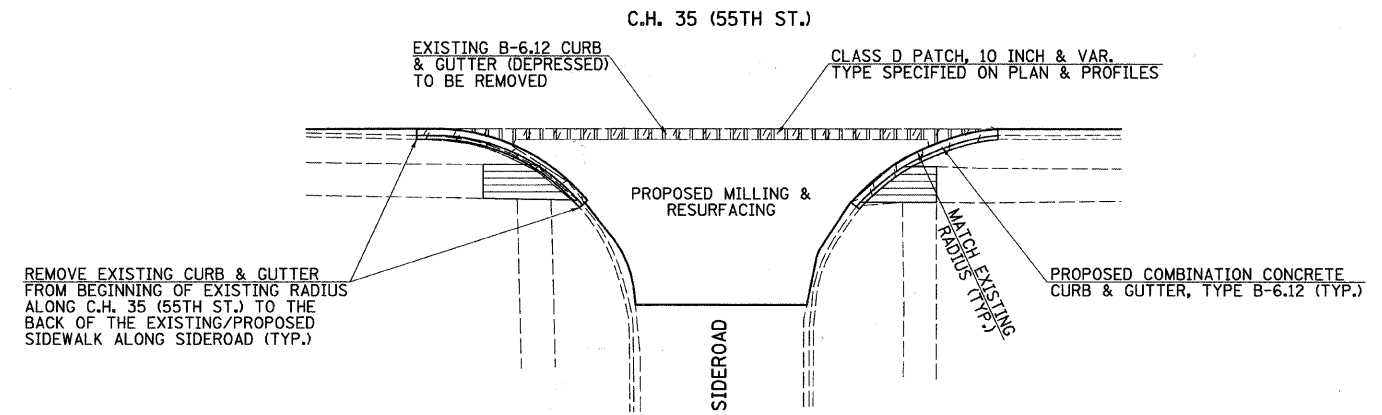
MANHOLE, TYPE A, SPECIAL, 6' DIAMETER



COST INCLUDED IN HOT-MIX ASPHALT SURFACE COURSE.

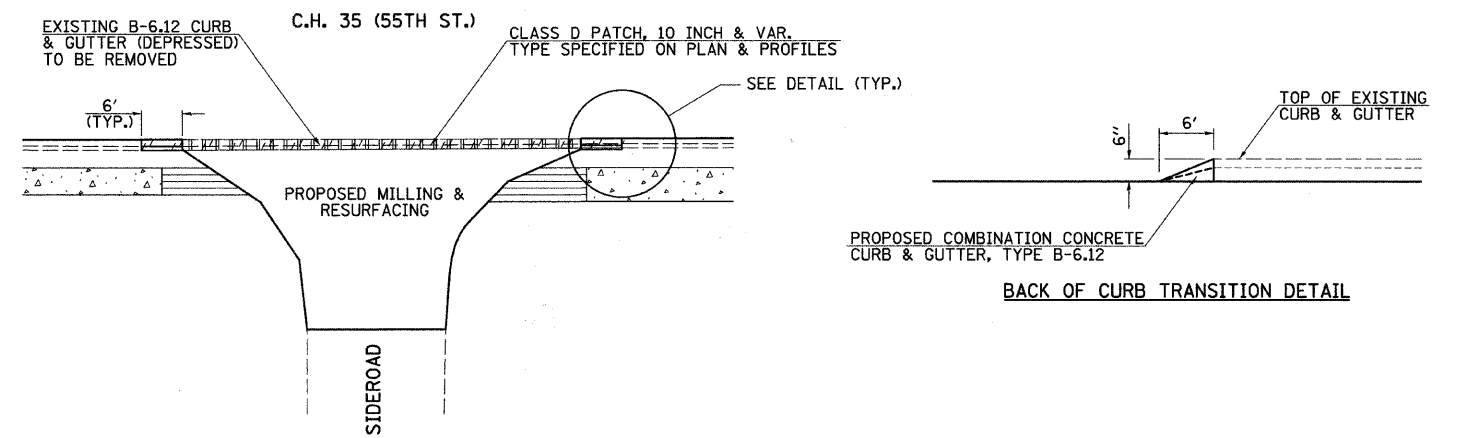
TEMPORARY HOT-MIX ASPHALT RAMP DETAIL

USE @ ENTRANCES DURING STAGE CONSTRUCTION.



DEPRESSED GUTTER REMOVAL DETAIL FOR CURBED SIDEROADS

- PARK ST. (NORTH & SOUTH LEGS)
- HUDSON ST.
- LINDLEY RD.
- WASHINGTON ST. (NORTH & SOUTH LEGS)
- ADAMS ST.
- GRANT ST.
- WARWICK AVE. (SOUTH LEG)
- WILMETTE AVE. (NORTH LEG)
- OAK AVE. (SOUTH LEG)
- RICHMOND AVE. (LEFT SIDE)
- WESTERN AVE. (SOUTH LEG) (RIGHT SIDE)



DEPRESSED GUTTER REMOVAL DETAIL FOR UNCURBED SIDEROADS

- WILLIAMS ST.
- WARWICK AVE. (NORTH LEG)
- WILMETTE AVE. (SOUTH LEG)
- OAK AVE. (NORTH LEG)
- RICHMOND AVE. (RIGHT SIDE)
- WESTERN AVE. (SOUTH LEG) (LEFT SIDE)
- WESTERN AVE. (NORTH LEG)
- BENTLEY AVE.
- VIRGINIA AVE.
- TENNESSEE AVE.

FILE NAME = V:\2791\2791H\006.dgn	USER NAME = shughes	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 5/19/2011	DATE -	REVISED -

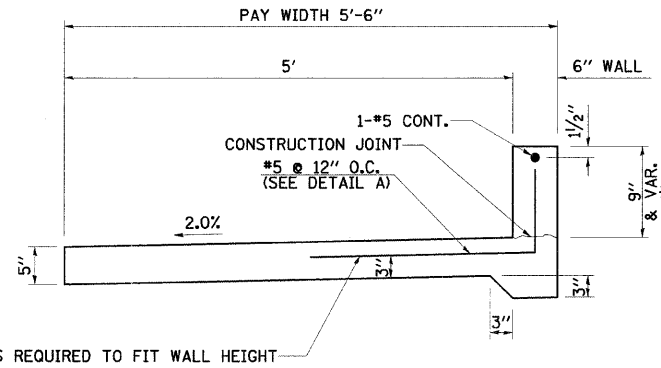
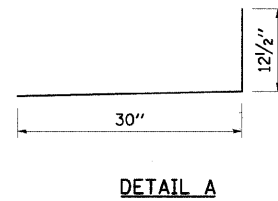
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

C.H. 35 (55TH ST.) CONSTRUCTION DETAILS

SCALE: N/A SHEET NO. 2 OF 4 SHEETS STA. N/A TO STA. N/A

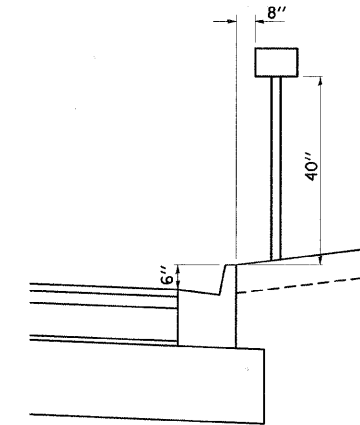
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	141
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

- \* 6" HEIGHT FROM STA. 25+61.07 (RT.) TO STA. 26+10.00 (RT.)
- 9" HEIGHT FROM STA. 35+77.98 (LT.) AROUND RADIUS TO STA. 200+85.69 (LT.) ON N. CASS AVE.
- 9" HEIGHT FROM STA. 36+85.92 (LT.) TO STA. 37+02.14 (LT.)
- 9" HEIGHT FROM STA. 38+45.00 (LT.) TO STA. 39+65.00 (LT.)
- 9" HEIGHT FROM STA. 49+84.61 (RT.) TO STA. 50+30.00 (RT.)

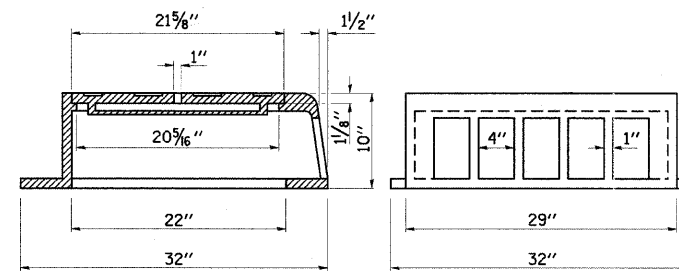


NOTES:  
 TAPER WALL HEIGHT WITHIN A 5' TRANSITION.  
 PAY ITEM IS "PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL".

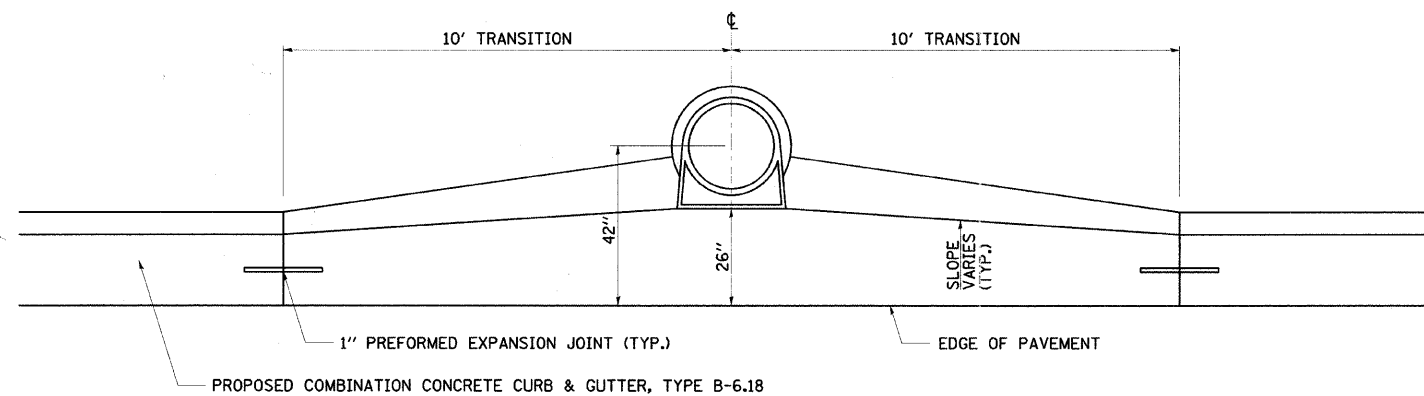
**PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL  
 DETAIL**



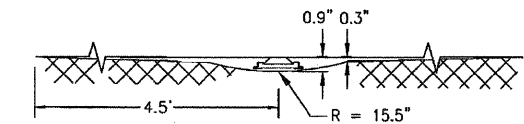
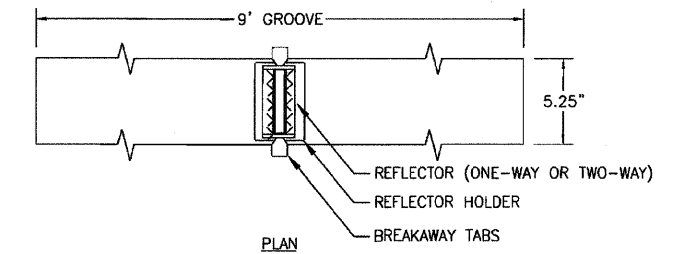
**MAILBOX LAYOUT DETAIL**



**R-3305 CATCH BASIN FRAME AND LID  
 FOR BEHIND-THE-CURB CONSTRUCTION  
 HEAVY DUTY  
 TOTAL WEIGHT 425 LBS.**



**SAG FRAME & LID  
 SAG FRAME AND LID SHALL BE NEENAH FOUNDRY COMPANY #R-3305 OR APPROVED EQUAL.**



**ELEVATION**

**NOTES**

1. SAW CUT TO DIMENSIONS SHOWN.
2. SAW CUT AREAS ARE TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. REFLECTOR SHALL BE 3M SERIES 190 OR ENGINEER APPROVED EQUIVALENT.
5. THE REFLECTOR HOLDER SHALL BE A MARKERONE SERIES R100 REFLECTOR HOLDER OR ENGINEER APPROVED EQUIVALENT.
6. FOR 1-WAY MARKERS HEADING UPHILL, UPHILL GRIND TAPER MAY BE OMITTED.

**RECESSED REFLECTIVE PAVEMENT MARKER DETAIL**

FILE NAME =  
 W:\2791\2791\007.dgn

USER NAME = bdecaene  
 PLOT SCALE = 10.0000' / IN.  
 PLOT DATE = 5/25/2011

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

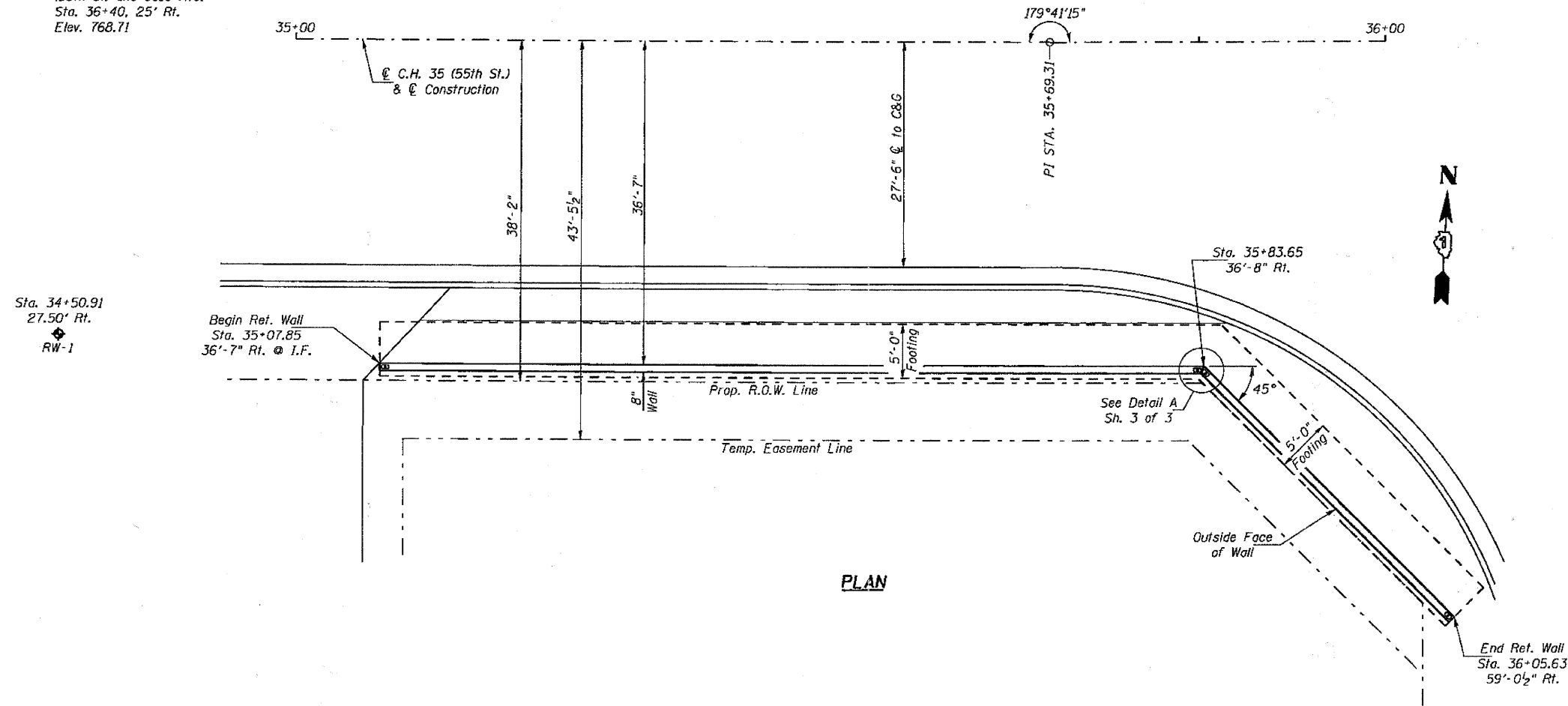
**C.H. 35 (55TH ST.) CONSTRUCTION DETAILS**

SCALE: N/A SHEET NO. 3 OF 4 SHEETS STA. N/A TO STA. N/A

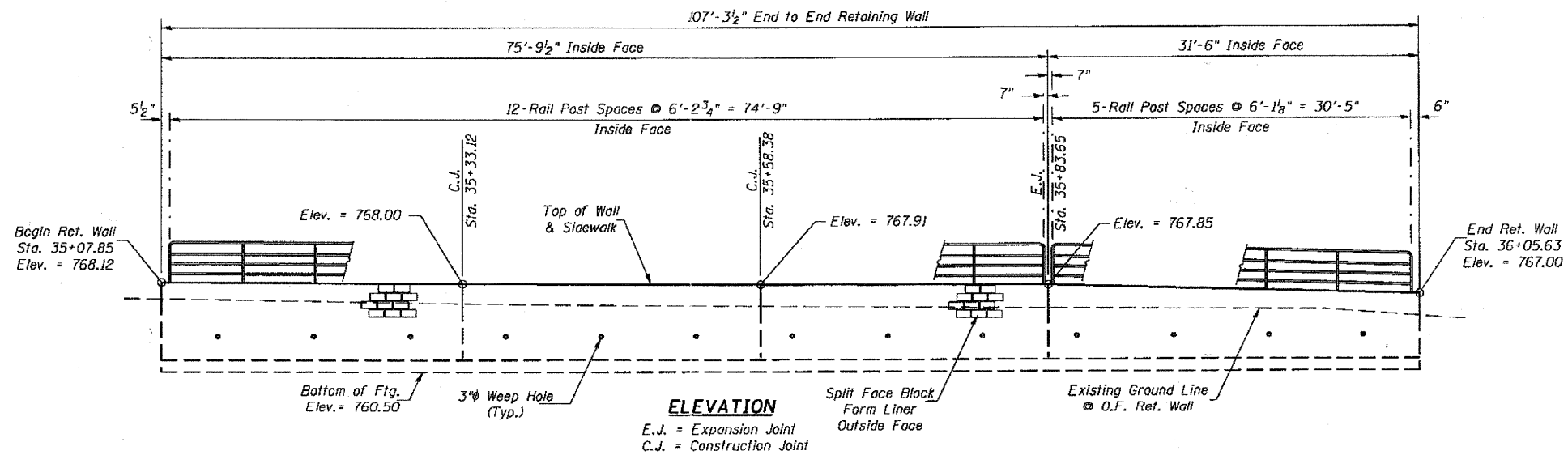
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	142
CONTRACT NO. 63609				
[ILLINOIS] FED. AID PROJECT				



B.M. #7: Chiseled "X" on Northeast Bolt of Large Traffic Signal Base @ Southeast Quadrant of CH 35 (55th St) and Cass Ave. Sta. 36+40, 25' Rt. Elev. 768.71



PLAN

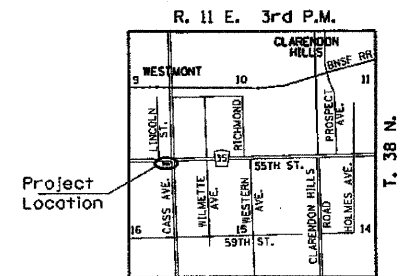


ELEVATION

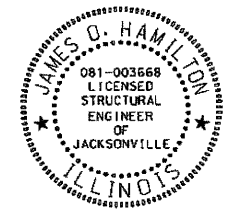
E.J. = Expansion Joint  
C.J. = Construction Joint

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60  
Reinforcement bars designated (E) shall be epoxy coated.  
For Total Bill of Material, See Sh. 3 of 3.  
For Borings, see Special Provisions.  
Concrete in Concrete Retaining Wall to be paid for as Concrete Structures.



LOCATION SKETCH



Expires: 11/30/2012

James O. Hamilton  
Signature  
5/13/2011  
Date

**RETAINING WALL #1  
GENERAL PLAN & ELEVATION  
C.H. 35 (55TH STREET)  
SECTION 94-00302-00-FP  
DU PAGE COUNTY  
STA. 35+07.86 TO STA. 36+05.16**

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

**DESIGN STRESSES**

FIELD UNITS  
(Concrete)  
f'c = 3,500 p.s.i.  
(Reinforcement Bars)  
fy = 60,000 p.s.i.

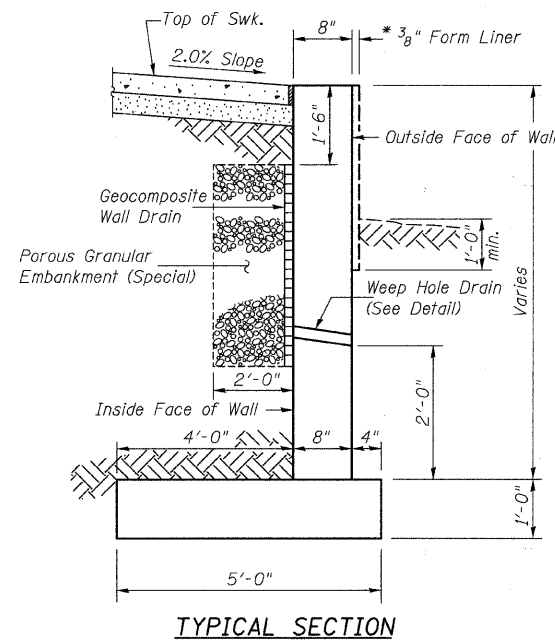
**DESIGN SPECIFICATIONS**

AASHTO 17th Edition, 2002

HUTCHISON ENGINEERING, INC.  
Jacksonville & Shorewood, Illinois  
Date: 2011

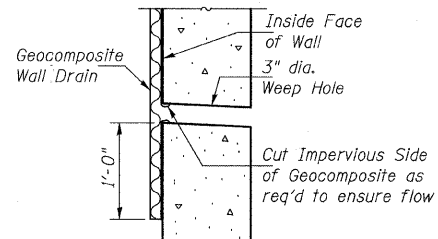
SHEET NO. 1  
3 SHEETS

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	144
ILLINOIS				FED. AID PROJECT

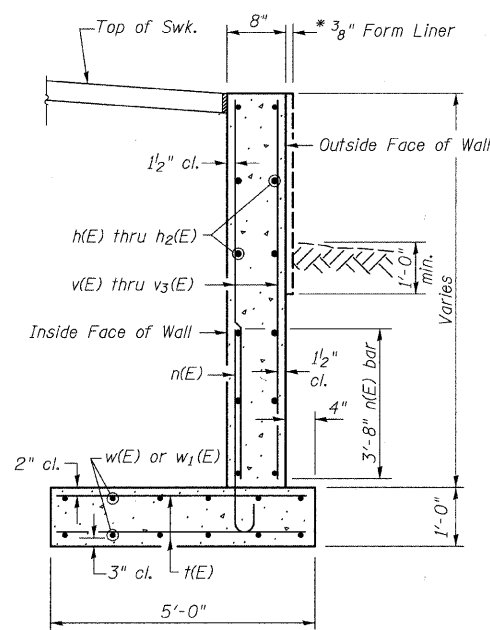


**TYPICAL SECTION**

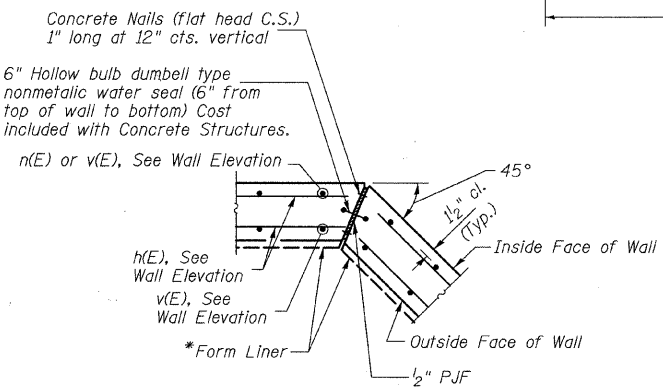
\*An additional thickness of concrete, in addition to the wall thickness detailed, will be required for the form liner finish. The cost of this additional concrete is included in the cost of Form Liner Textured Surface (Special).



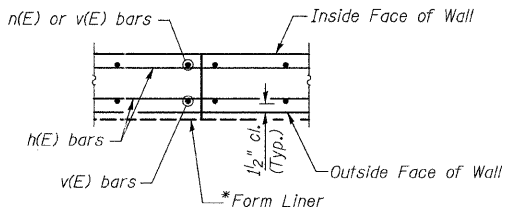
**WEEP HOLE DRAIN DETAIL**



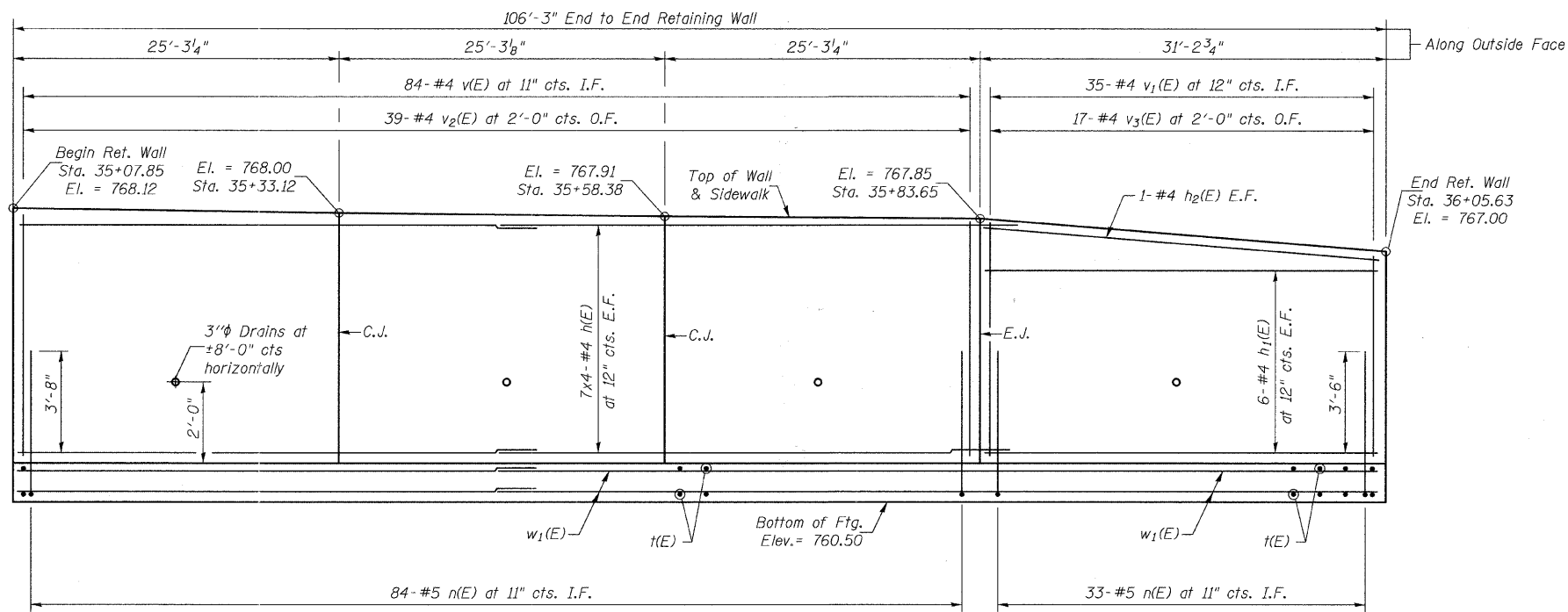
**SECTION A-A**  
(Showing Reinforcement)



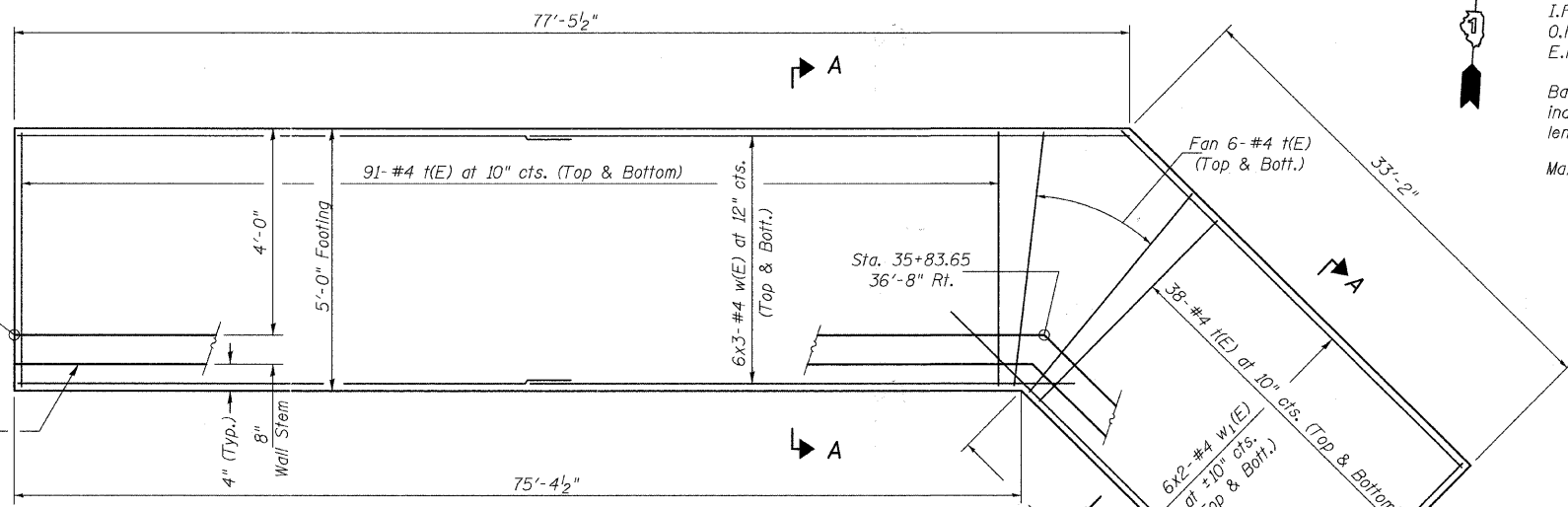
**EXPANSION JOINT DETAIL**



**CONSTRUCTION JOINT DETAIL**



**ELEVATION**  
(Outside Face Elevation)



**PLAN**



**NOTES**  
 E.J. = Expansion Joint  
 C.J. = Construction Joint  
 I.F. = Inside Face  
 O.F. = Outside face  
 E.F. = Each Face  
 Bars indicated thus 8x3-#4 etc. Indicates 8 lines of bars with three lengths per line.  
 Max. Applied Bearing Pressure: = 1.66 ksf

**MIN. BAR LAP**  
 #4 = 1'-8"  
 #5 = 2'-2"

**RETAINING WALL #1 DETAILS**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 35+07.85 TO STA. 36+05.63**

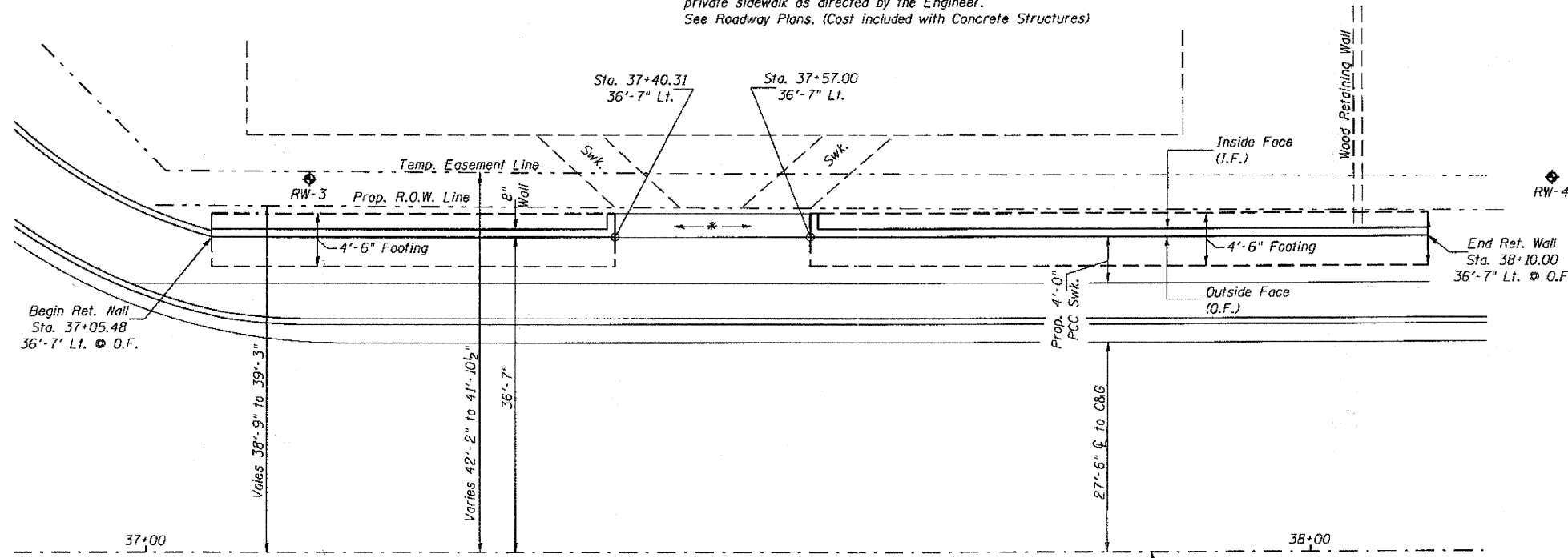
DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 2 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1504	94-00302-00-FP	DU PAGE	240	145
				CONTRACT NO. 63609		
				ILLINOIS	FED. AID PROJECT	

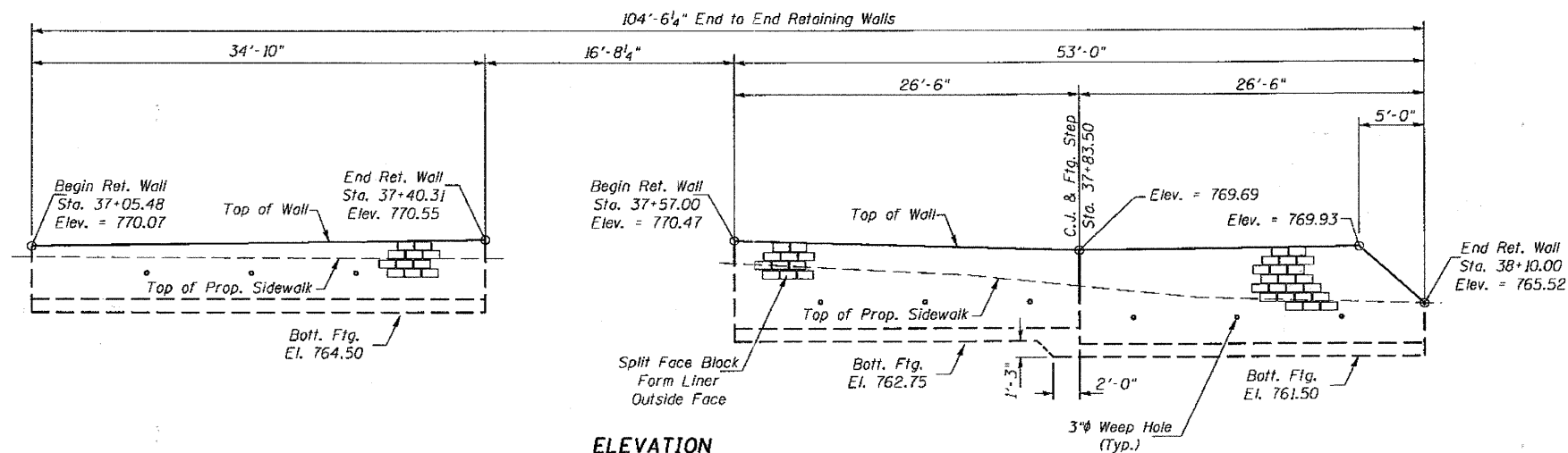


B.M. #7: Chiseled "X" on Northeast Bolt of Large Traffic Signal Base @ Southeast Quadrant of CH 35 (55th St) and Cass Ave. Sta. 36+40, 25' Rt. Elev. 768.71

◆ Approximate Boring Location  
 \* Construct sidewalk and/or steps to transition to existing private sidewalk as directed by the Engineer. See Roadway Plans. (Cost included with Concrete Structures)



PLAN

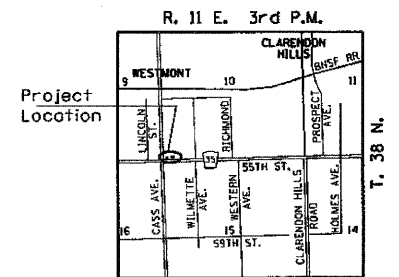


ELEVATION

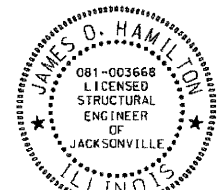
C.J. = Construction Joint

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60  
 Reinforcement bars designated (E) shall be epoxy coated.  
 For Total Bill of Material, See Sh. 3 of 3.  
 For Borings, see Special Provisions.  
 Fill placement must not vary >1' in elevation on either side of wall until fill at front face (Outside Face) is fully placed.  
 Concrete in Concrete Retaining Wall to be paid for as Concrete Structures.



LOCATION SKETCH



Expires: 11/30/2012

*James O. Hamilton*  
Signature

5/13/2012  
Date

**RETAINING WALL #2  
 GENERAL PLAN & ELEVATION  
 C.H. 35 (55TH STREET)  
 SECTION 94-00302-00-FP  
 DU PAGE COUNTY  
 STA. 37+05.48 TO STA. 38+10.00**

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

**DESIGN STRESSES**

FIELD UNITS  
 (Concrete)  
 $f'c = 3,500$  p.s.i.  
 (Reinforcement Bars)  
 $f_y = 60,000$  p.s.i.

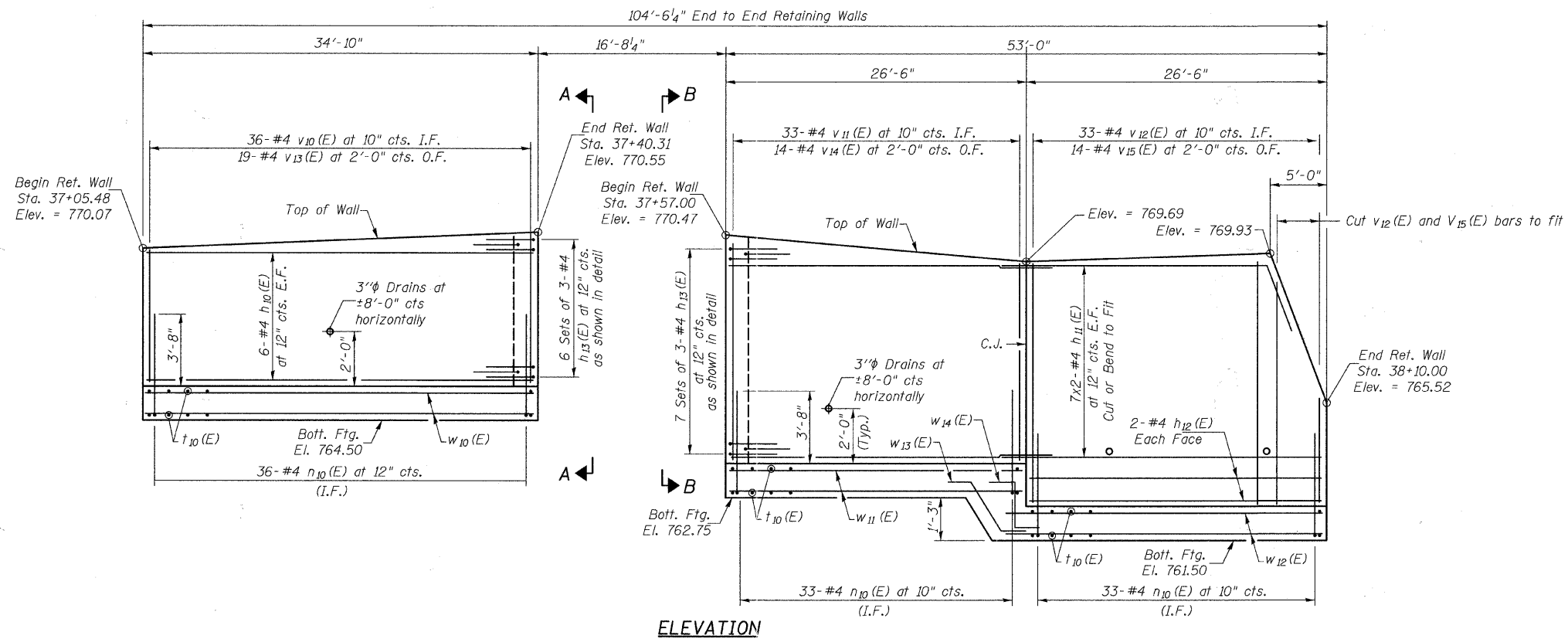
**DESIGN SPECIFICATIONS**

AASHTO 17th Edition, 2002

**HUTCHISON ENGINEERING, INC.**  
 Jacksonville & Shorewood, Illinois  
 Date: 2011

SHEET NO. 1  
 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	147
ILLINOIS			CONTRACT NO. 63609	
FED. AID PROJECT				

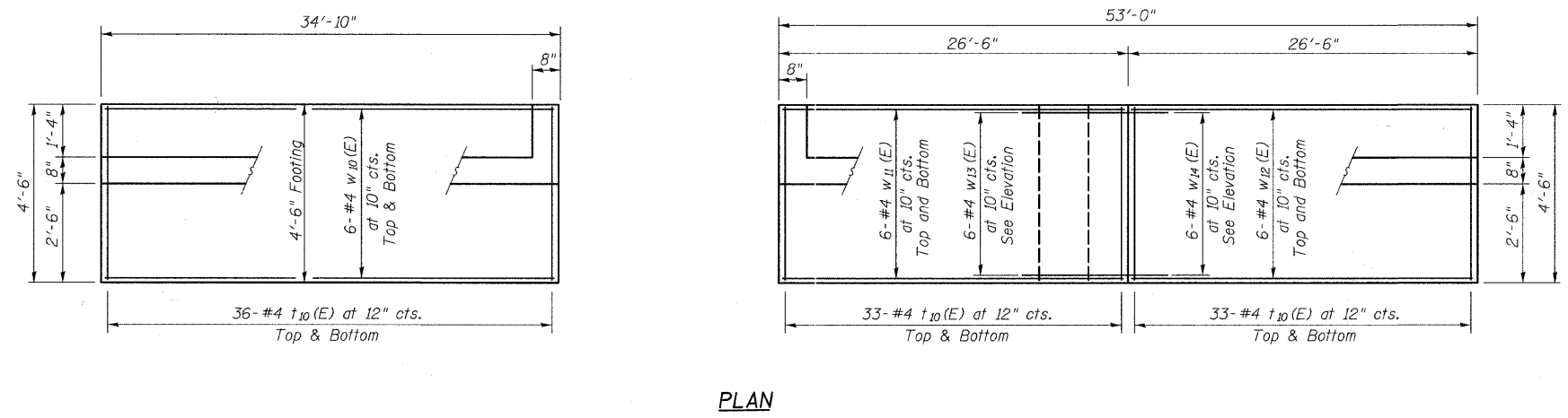


**NOTES**  
 C.J. = Construction Joint  
 I.F. = Inside Face  
 O.F. = Outside Face  
 E.F. = Each Face

For Joint Details, see sheet 3 of 3.  
 For Sections A-A and B-B, see sheet 3 of 3.

Bars indicated thus 8x3-#4 etc. indicates 8 lines of bars with three lengths per line.

**MIN. BAR LAP**  
 #4 = 1'-8"

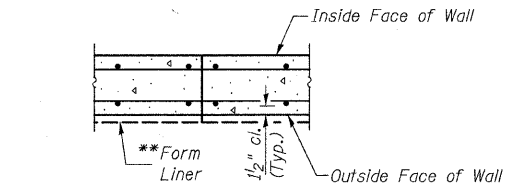


**RETAINING WALL DETAILS #2**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 37+05.48 TO STA. 38+10.00**

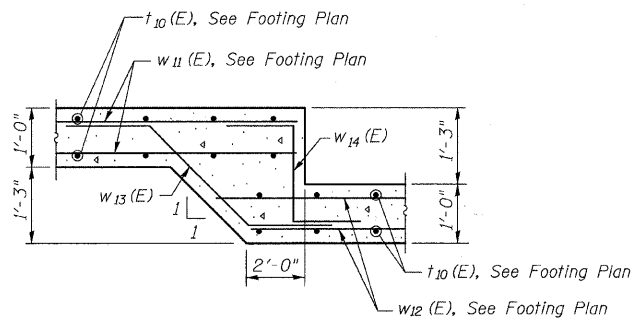
DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

<b>HUTCHISON ENGINEERING, INC.</b> Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 2	F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 148
	3 SHEETS			CONTRACT NO. 63609		
		ILLINOIS		FED. AID PROJECT		

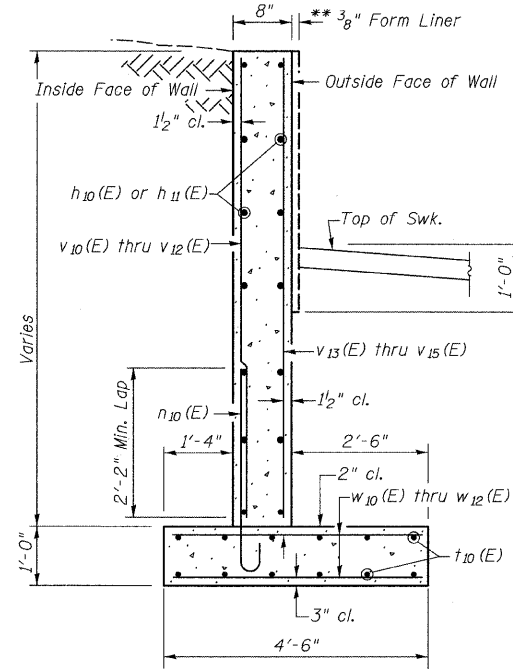




**CONSTRUCTION JOINT DETAIL**

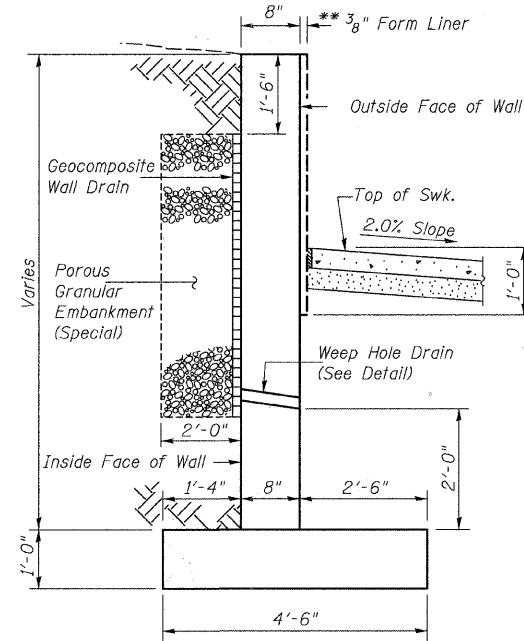


**FOOTING STEP**



**TYPICAL SECTION  
(Showing Reinforcement)**

\*\*An additional thickness of concrete, in addition to the wall thickness detailed, will be required for the form liner finish. The cost of this additional concrete is included in the cost of Form Liner Textured Surface (Special).



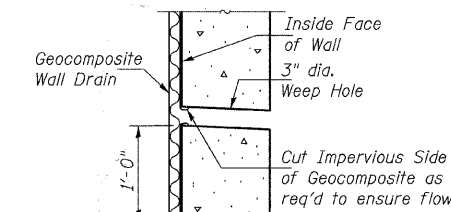
**TYPICAL SECTION  
(Looking East)**

**BILL OF MATERIAL**

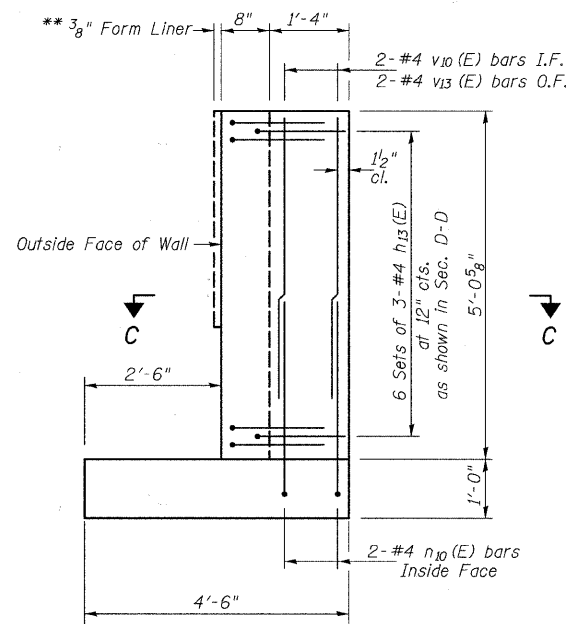
Bar	No.	Size	Length	Shape
h <sub>10</sub> (E)	12	#4	34'-7"	
h <sub>11</sub> (E)	28	#4	27'-3"	
h <sub>12</sub> (E)	4	#4	26'-3"	
h <sub>13</sub> (E)	39	#4	5'-6"	
n <sub>10</sub> (E)	106	#4	4'-9"	
t <sub>10</sub> (E)	204	#4	4'-3"	
v <sub>10</sub> (E)	38	#4	3'-6"	
v <sub>11</sub> (E)	35	#4	4'-9"	
v <sub>12</sub> (E)	33	#4	5'-6"	
v <sub>13</sub> (E)	21	#4	4'-4"	
v <sub>14</sub> (E)	16	#4	5'-8"	
v <sub>15</sub> (E)	14	#4	6'-11"	
w <sub>10</sub> (E)	12	#4	34'-7"	
w <sub>11</sub> (E)	12	#4	26'-3"	
w <sub>12</sub> (E)	12	#4	28'-3"	
w <sub>13</sub> (E)	6	#4	7'-5"	
w <sub>14</sub> (E)	6	#4	6'-10"	
Structure Excavation			Cu. Yd.	203.0
Concrete Structures			Cu. Yd.	28.2
Reinforcement Bars, Epoxy Coated			Pound	3,200
Protective Coat			Sq. Yd.	124
Geocomposite Wall Drain			Sq. Yd.	33
Porous Granular Embankment (Special)			Cu. Yd.	22
Form Liner Textured Surface (Special)			Sq. Ft.	303

\* Apply Protective Coat to Inside Face, Outside Face and top of wall.

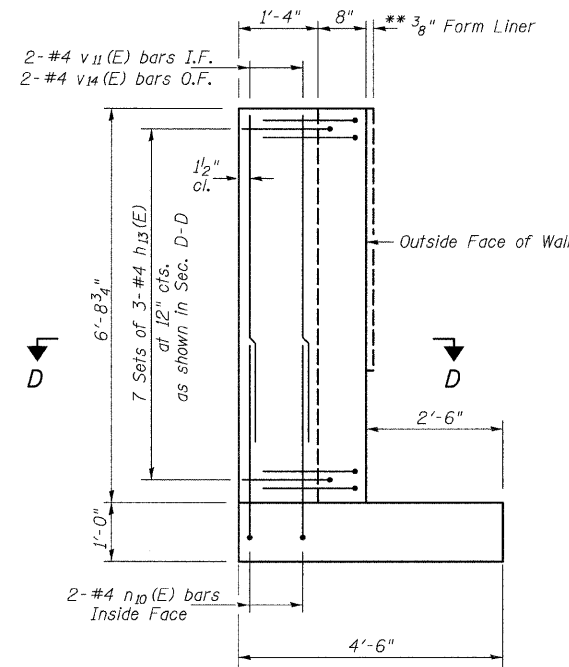
Notes:  
Reinforcement bars designated (E) shall be epoxy coated.  
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.  
Max. Applied Bearing Pressure = 1.63 ksf



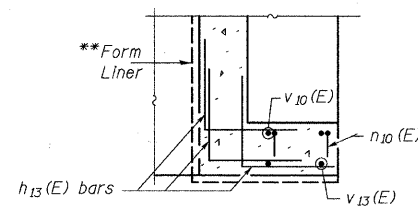
**WEEP HOLE DRAIN DETAIL**



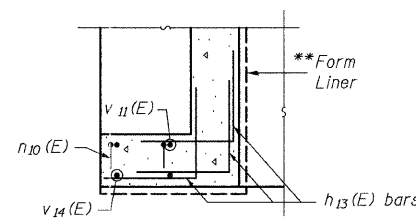
**VIEW A-A**



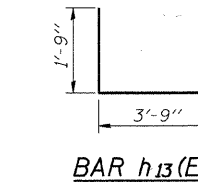
**VIEW B-B**



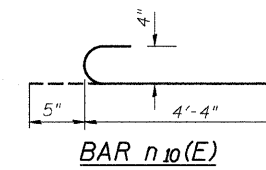
**SECTION C-C**



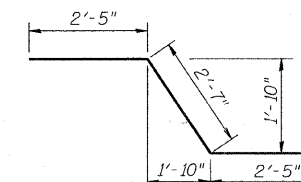
**SECTION D-D**



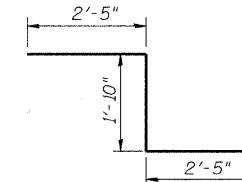
**BAR h<sub>13</sub>(E)**



**BAR n<sub>10</sub>(E)**



**BAR w<sub>13</sub>(E)**



**BAR w<sub>14</sub>(E)**

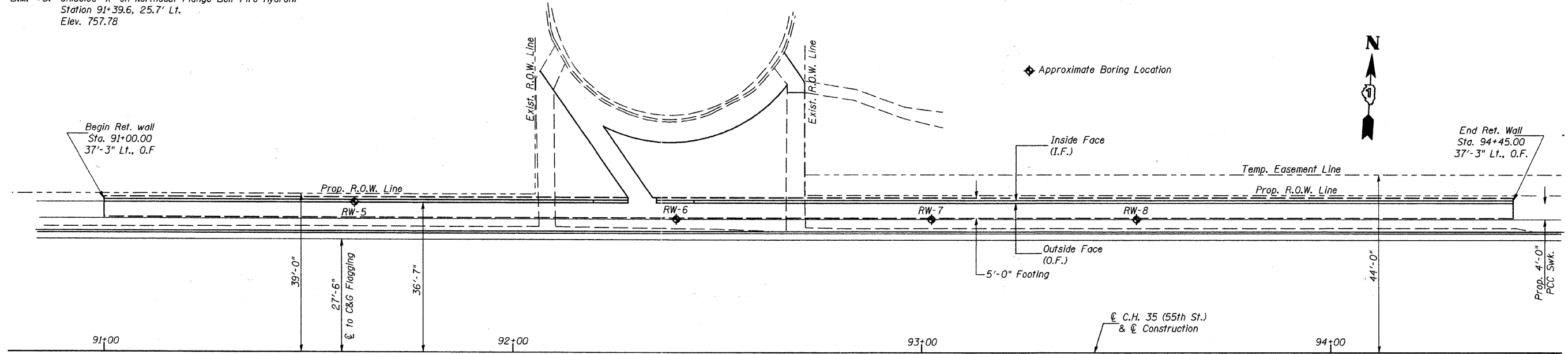
**RETAINING WALL DETAILS #2  
C.H. 35 (55TH STREET)  
SECTION 94-00302-00-FP  
DU PAGE COUNTY  
STA. 37+05.48 TO STA. 38+10.00**

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

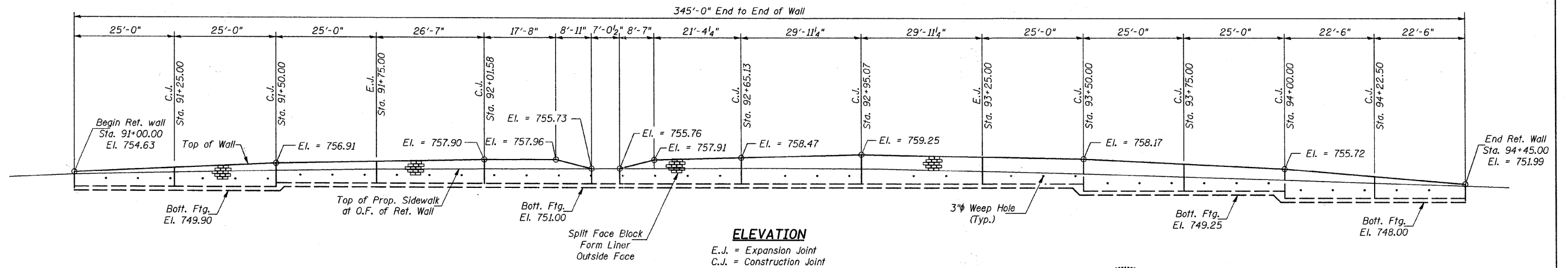
2791WALL2-03

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 3 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		1504	94-00302-00-FP	DU PAGE	240	149	
				CONTRACT NO. 63609			
				ILLINOIS	FED. AID PROJECT		

B.M. #5: Chiseled "X" on Northeast Flange Bolt Fire Hydrant  
 Station 91+39.6, 25.7' Lt.  
 Elev. 757.78



PLAN



ELEVATION

E.J. = Expansion Joint  
 C.J. = Construction Joint

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60

Reinforcement bars designated (E) shall be epoxy coated.

For Total Bill of Material, See Sh. 5 of 5.

For Borings, see Special Provisions.

Fill placement must not vary >1' in elevation on either side of wall until fill at front face (Outside Face) is fully placed.

Concrete in Concrete Retaining Wall to be paid for as Concrete Structures.

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

**DESIGN SPECIFICATIONS**

AASHTO 17th Edition, 2002

**DESIGN STRESSES**

FIELD UNITS

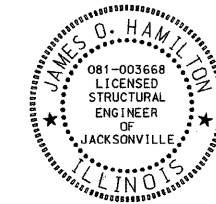
(Concrete)  
 $f'_c = 3,500$  p.s.i.  
 (Reinforcement Bars)  
 $f_y = 60,000$  p.s.i.

**SEISMIC DATA**

Seismic Performance Zone (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.035g  
 Soil Site Class = 1.0



LOCATION SKETCH



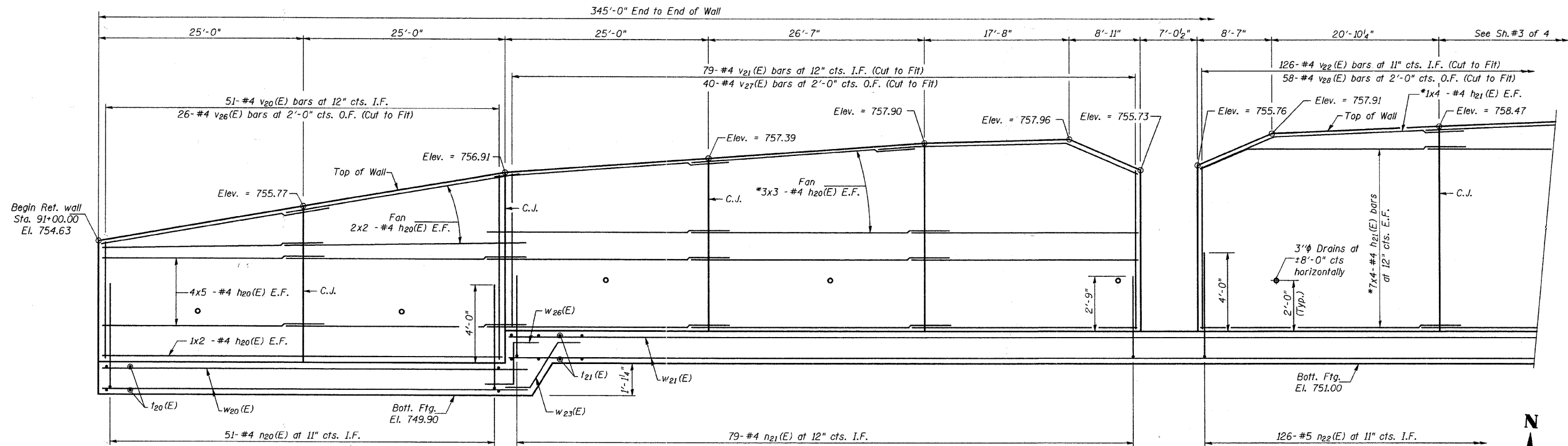
Expires: 11/30/2012

James O. Hamilton  
 Signature

6/22/2011  
 Date

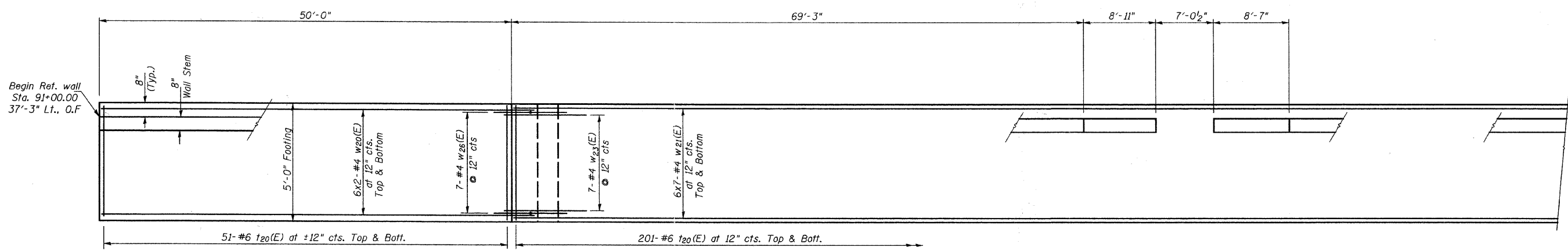
**RETAINING WALL #3**  
**GENERAL PLAN & ELEVATION**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 91+00.00 TO STA. 94+45.00**

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 1 5 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CH 35	94-00302-00-FP	DU PAGE	240	150
				CONTRACT NO. 63609		
				ILLINOIS FED. AID PROJECT		



**ELEVATION**

\*Bend top bars to fit top of wall



**PLAN**

**NOTES**  
 C.J. = Construction Joint  
 I.F. = Inside Face  
 O.F. = Outside face  
 For Joint Details, see sheet 5 of 5.  
 For Sections A-A an B-B, see sheet 5 of 5.  
 Bars indicated thus 8x3-#4 etc.  
 indicates 8 lines of bars with three lengths per line.

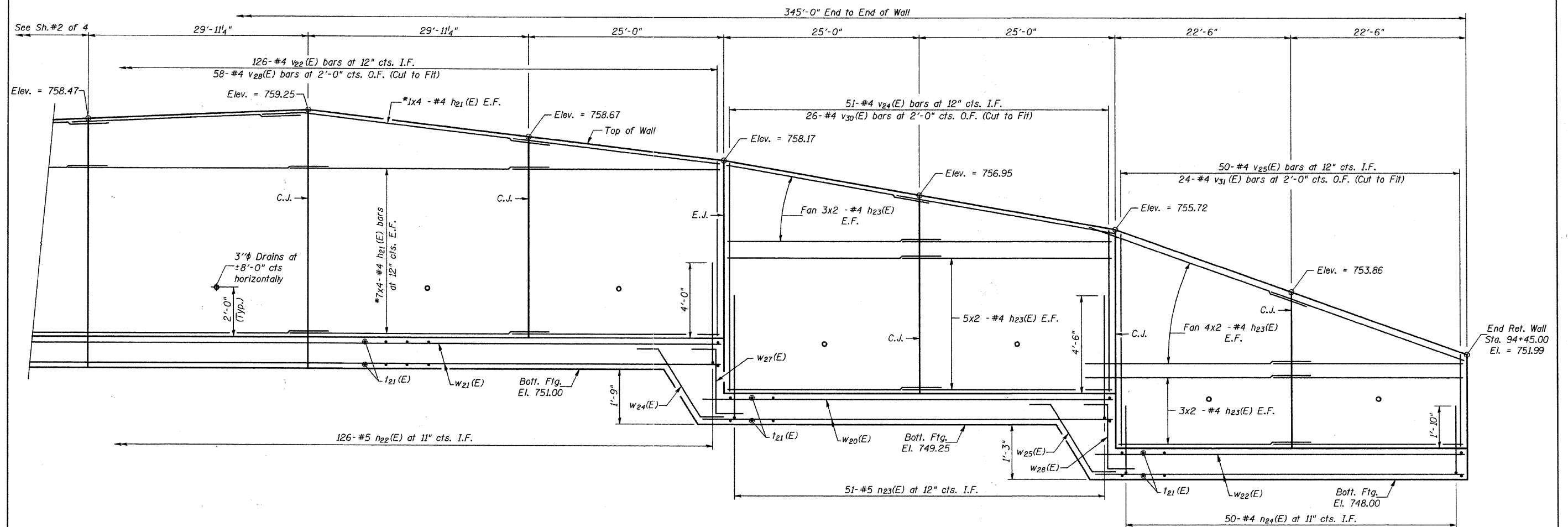
**MIN. BAR LAP**  
 #4 = 1'-8"

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

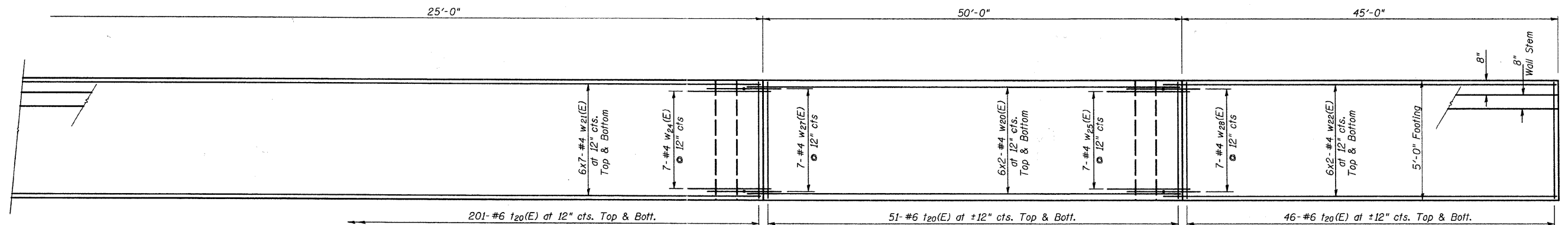
279WALL3-02

**RETAINING WALL #3 DETAILS**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 91+00.00 TO STA. 94+45.00**

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 2 5 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CH 35	94-00302-00-FP	DU PAGE	240	151
				CONTRACT NO. 63609		
				ILLINOIS	FED. AID PROJECT	



**ELEVATION**



**PLAN**

**NOTES**

E.J. = Expansion Joint  
 C.J. = Construction Joint  
 I.F. = Inside Face  
 O.F. = Outside face  
 For Joint Details, see sheet 5 of 5.  
 For Sections A-A an B-B, see sheet 5 of 5.  
 Bars indicated thus 8x3-#4 etc.  
 Indicates 8 lines of bars with three lengths per line.

**MIN. BAR LAP**  
 #4 = 1'-8"

DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

2791WALL3-03

**RETAINING WALL #3 DETAILS**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 91+00.00 TO STA. 94+45.00**

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 3 5 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 63609		
				ILLINOIS FED. AID PROJECT		



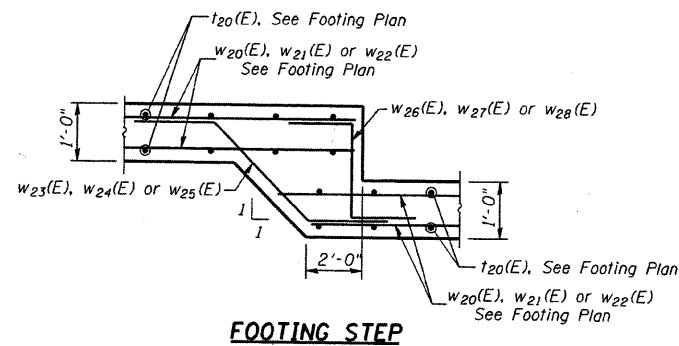
SHEET #4 OF 5 INTENTIONALLY LEFT BLANK

RETAINING WALL #3 DETAILS  
C.H. 35 (55TH STREET)  
SECTION 94-00302-00-FP  
DU PAGE COUNTY  
STA. 91+00.00 TO STA. 94+45.00

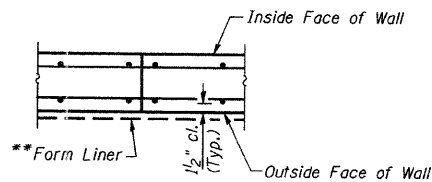
DESIGNED	JOH
CHECKED	BAN
DRAWN	TAC
CHECKED	JOH

2791WALL3-04

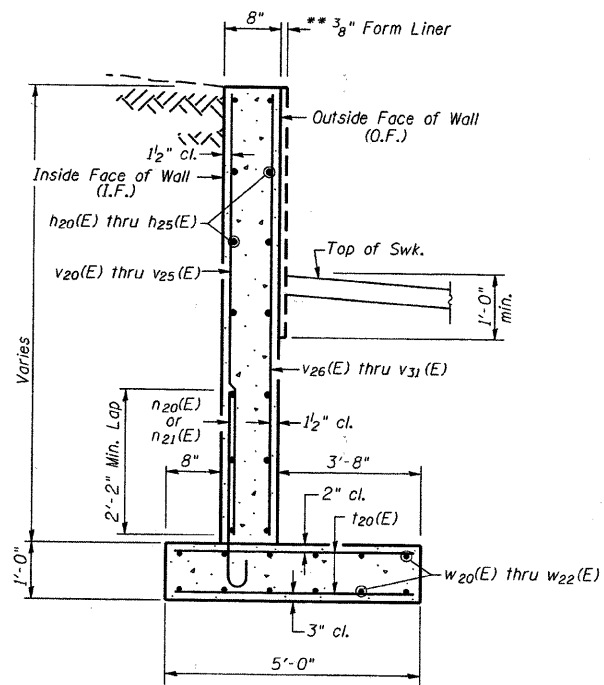
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ILLINOIS				FED. AID PROJECT		



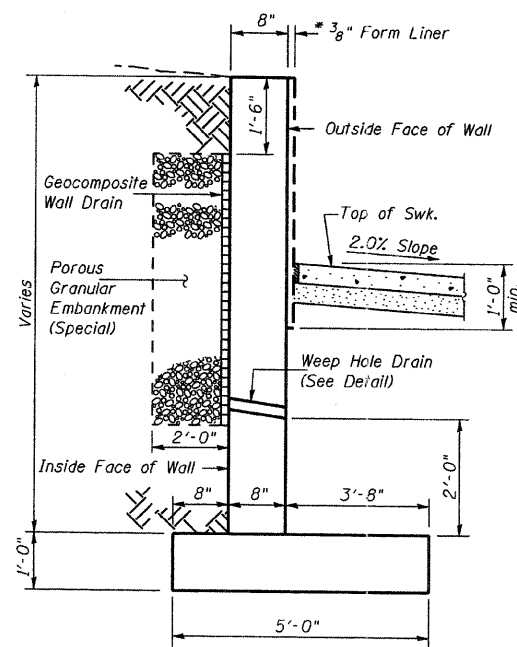
**FOOTING STEP**



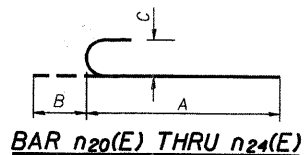
**CONSTRUCTION JOINT DETAIL**



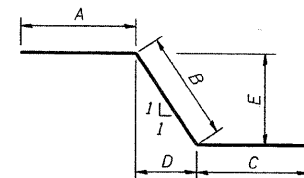
**TYPICAL SECTION**  
(Showing Reinforcement)



**TYPICAL SECTION**  
(Looking East)

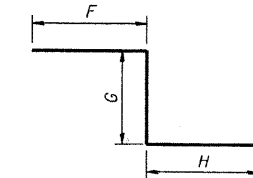


Bar	A	B	C
n20(E)	4'-9"	6"	4"
n21(E)	3'-6"	6"	4"
n22(E)	4'-9"	6"	4"
n23(E)	5'-3"	6"	4"
n24(E)	2'-7"	6"	4"



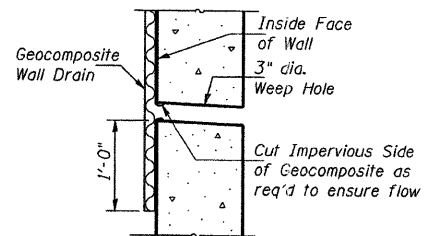
**BAR w23(E) THRU w25(E)**

Bar	A	B	C	D	E
w23(E)	2'-5"	3'-10"	2'-5"	2'-8 1/2"	2'-8 1/2"
w24(E)	2'-5"	4'-10"	2'-5"	3'-5"	3'-5"
w25(E)	2'-5"	4'-1"	2'-5"	2'-10 1/2"	2'-10 1/2"



**BAR w26(E) THRU w28(E)**

Bar	F	G	H
w26(E)	2'-5"	2'-9"	2'-5"
w27(E)	2'-5"	3'-5"	2'-5"
w28(E)	2'-5"	2'-11"	2'-5"



**WEEP HOLE DRAIN DETAIL**

\*\*An additional thickness of concrete, in addition to the wall thickness detailed, will be required for the form liner finish. The cost of this additional concrete is included in the cost of Form Liner Textured Surface (Special).

DESIGNED	JOH
CHECKED	BAN <sup>13</sup>
DRAWN	TAC
CHECKED	JOH

2791WALL3-05

**BILL OF MATERIAL**

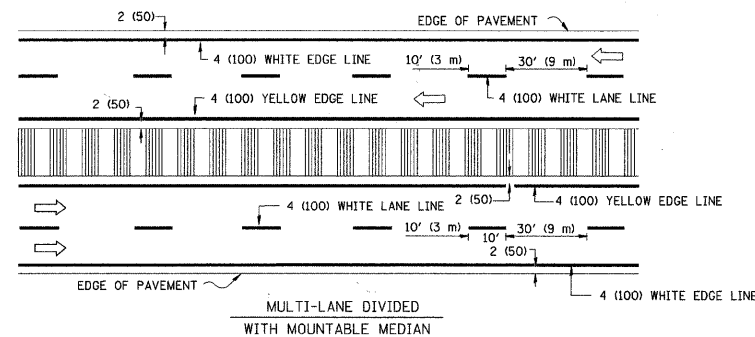
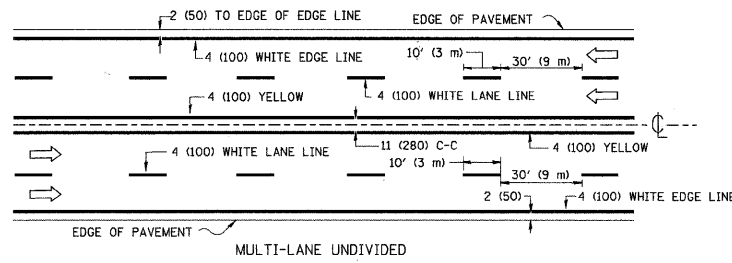
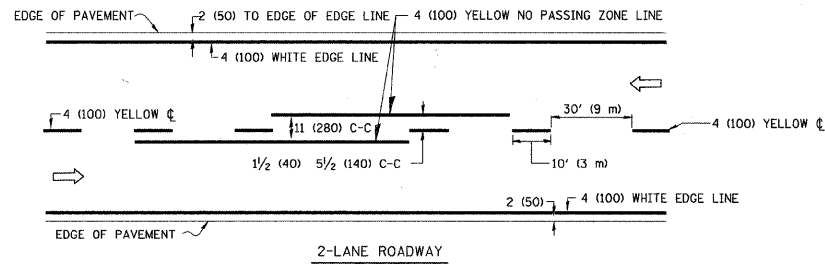
Bar	No.	Size	Length	Shape
h20(E)	70	#4	26'-11"	
h21(E)	64	#4	29'-11"	
h23(E)	60	#4	25'-9"	
n20(E)	51	#4	5'-3"	C
n21(E)	79	#4	4'-0"	C
n22(E)	126	#5	5'-3"	C
n23(E)	51	#4	5'-9"	C
n24(E)	50	#4	3'-1"	C
v20(E)	698	#6	4'-9"	
v20(E)	51	#4	5'-9"	
v21(E)	79	#4	5'-8"	
v22(E)	126	#4	7'-0"	
v24(E)	51	#4	7'-9"	
v25(E)	50	#4	6'-9"	
v26(E)	26	#4	3'-7"	
v27(E)	40	#4	4'-9"	
v28(E)	58	#4	6'-1"	
v30(E)	26	#4	5'-0"	
v31(E)	24	#4	6'-9"	
w20(E)	48	#4	25'-9"	
w21(E)	84	#4	30'-0"	
w22(E)	24	#4	23'-3"	
w23(E)	7	#4	8'-8"	
w24(E)	7	#4	9'-8"	
w25(E)	7	#4	8'-11"	
w26(E)	7	#4	7'-7"	
w27(E)	7	#4	8'-3"	
w28(E)	7	#4	7'-9"	
Structure Excavation			Cu. Yd.	710
Concrete Structures			Cu. Yd.	113.9
Reinforcement Bars, Epoxy Coated			Pound	15,250
Protective Coat			Sq. Yd.	466
Geocomposite Wall Drain			Sq. Yd.	126
Porous Granular Embankment (Special)			Cu. Yd.	84
Form Liner Textured Surface (Special)			Sq. Ft.	1,128

\* Apply Protective Coat to Inside Face, Outside Face and top of wall.  
Notes:  
Reinforcement bars designated (E) shall be epoxy coated.  
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

Max. Applied Bearing Pressure: = 1.83 ksf

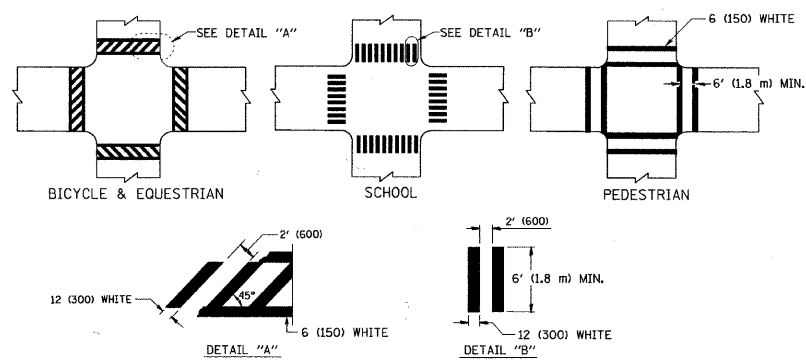
**RETAINING WALL #3 DETAILS**  
**C.H. 35 (55TH STREET)**  
**SECTION 94-00302-00-FP**  
**DU PAGE COUNTY**  
**STA. 91+00.00 TO STA. 94+45.00**

HUTCHISON ENGINEERING, INC. Jacksonville & Shorewood, Illinois Date: 2011	SHEET NO. 5 5 SHEETS	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CH 35	94-00302-00-FP	DU PAGE	240	154
				CONTRACT NO. 63609		
				ILLINOIS	FED. AID PROJECT	

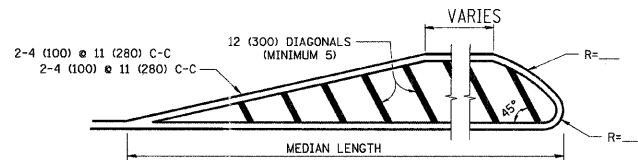
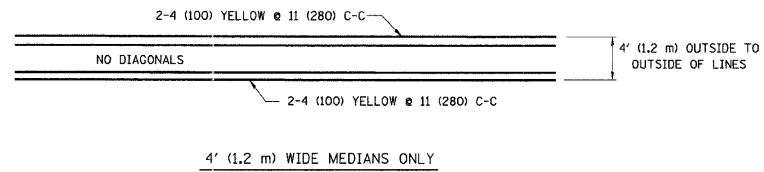


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

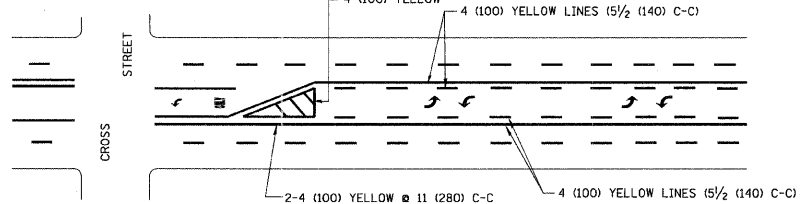


TYPICAL CROSSWALK MARKING

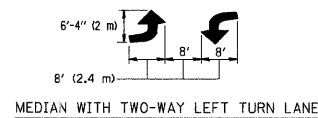


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

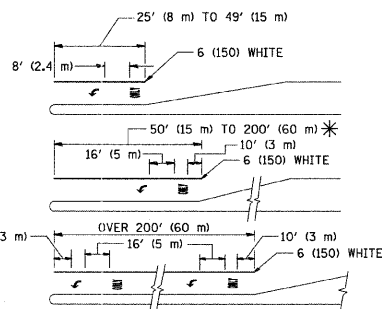
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



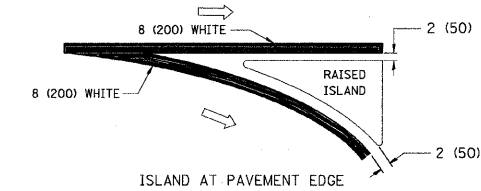
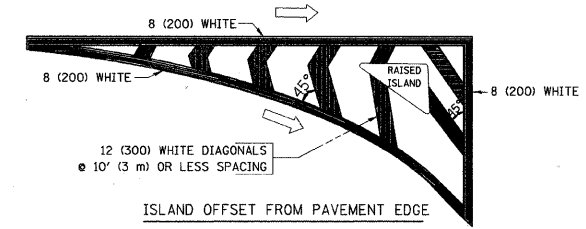
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

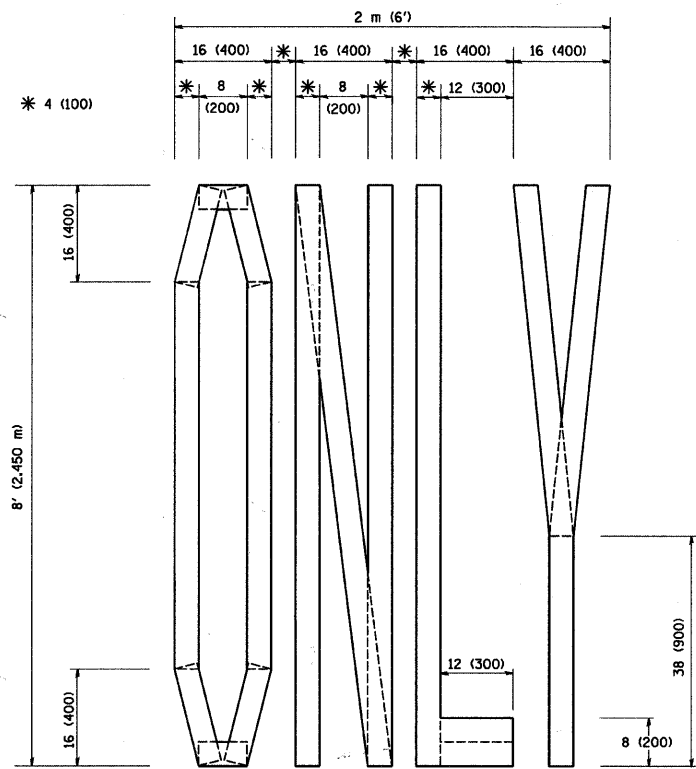
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED -C. JUCIUS 09-09-09
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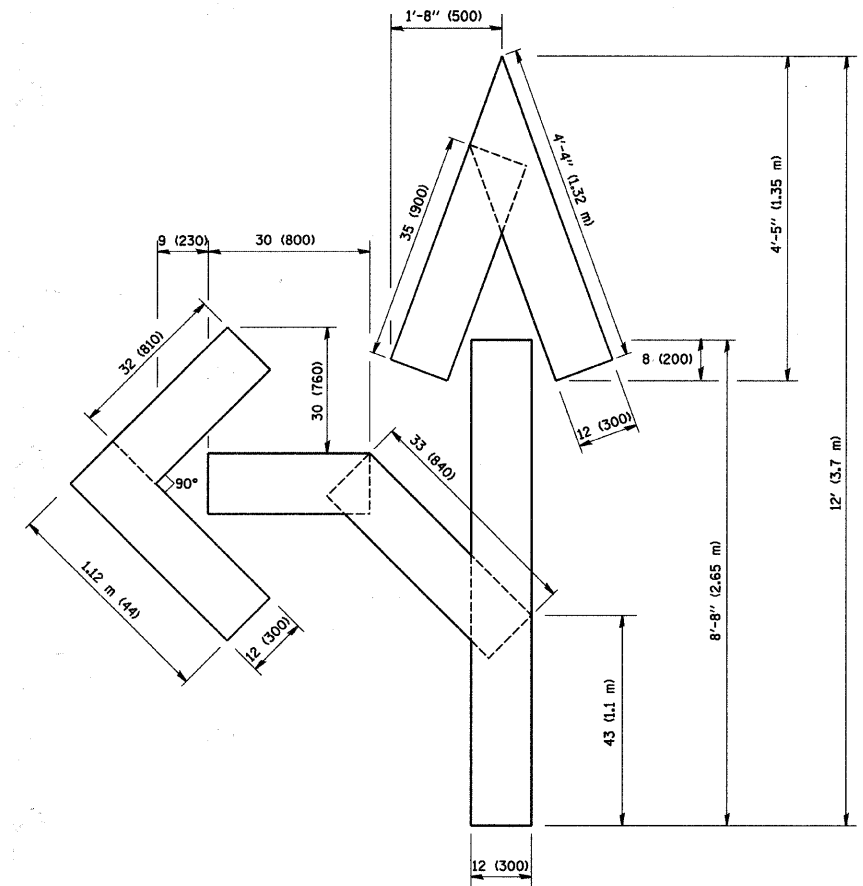
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

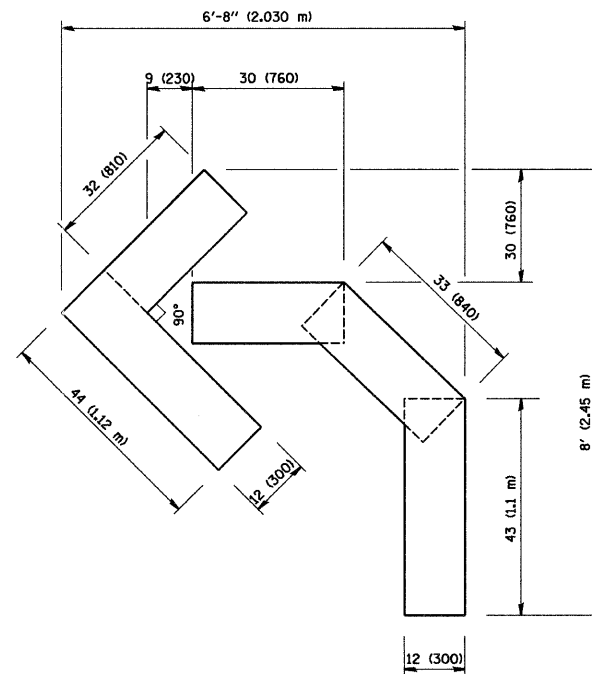
F.A.O. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-PP	DU PAGE	240	155
CONTRACT NO. 63609				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



QUANTITY  
4 (100) LINE = 64.1 ft. (19.7 m)  
21.1 sq. ft. (1.97 sq. m)



QUANTITY  
4 (100) LINE = 82.5 ft. (25.3 m)  
27.5 sq. ft. (2.53 sq. m)



QUANTITY  
4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

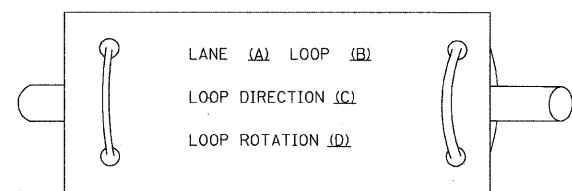
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TC-16				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



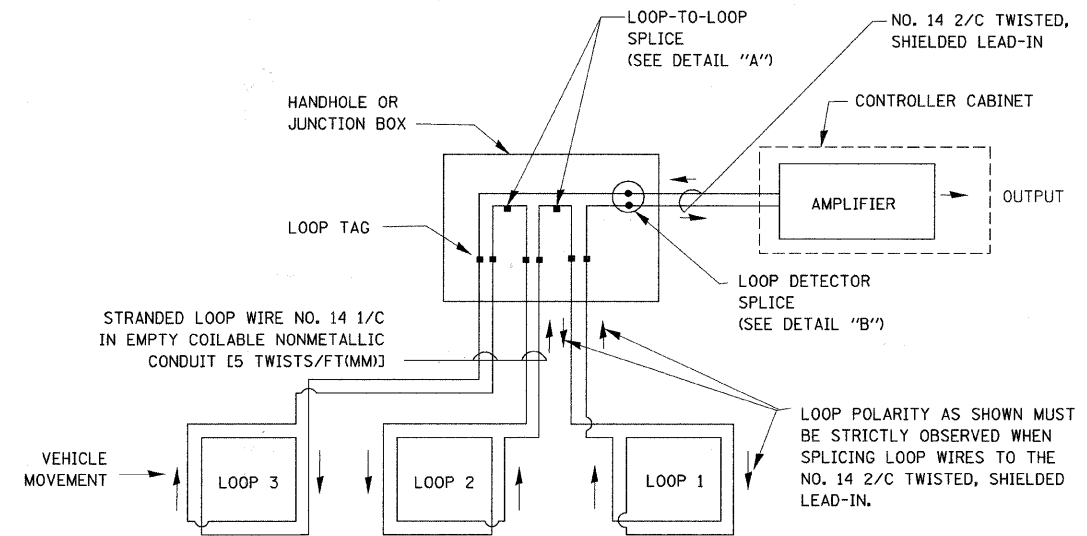
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

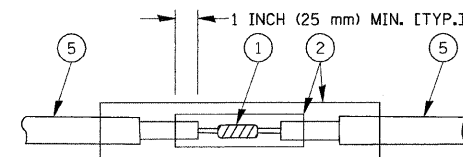


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

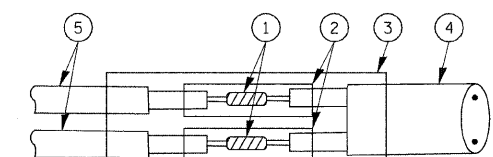


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

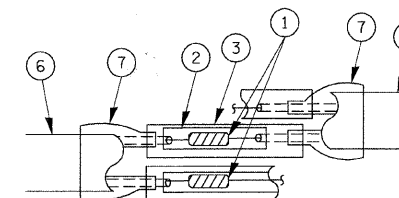


**DETAIL "A"  
LOOP-TO-LOOP SPLICE**

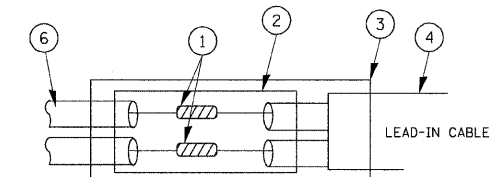


**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**TYPE I LOOP**



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**PRE-FORMED LOOP  
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

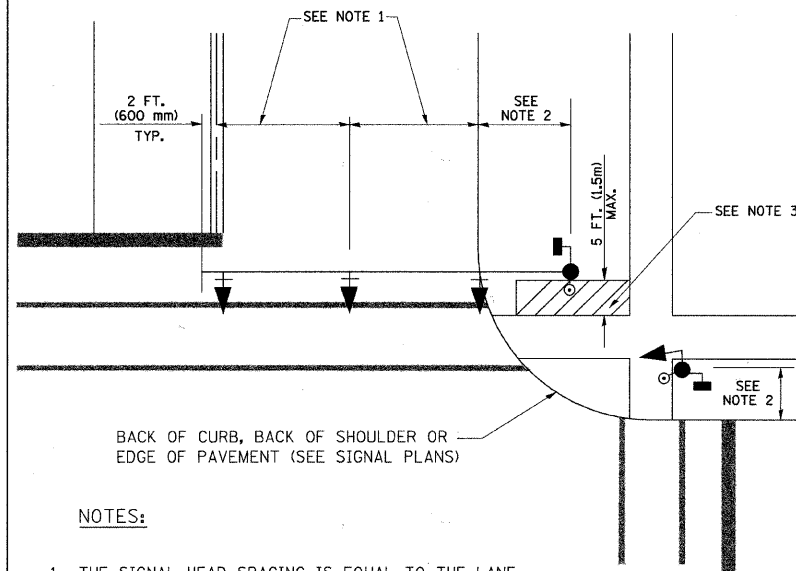
**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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PLOT SCALE = 20,0000' / IN.	CHECKED - DAD	REVISOR -	SCALE:			SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 63609	
PLOT DATE =	DATE - 10/28/09	REVISOR -	FED. ROAD DIST. NO.			[ILLINOIS] FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

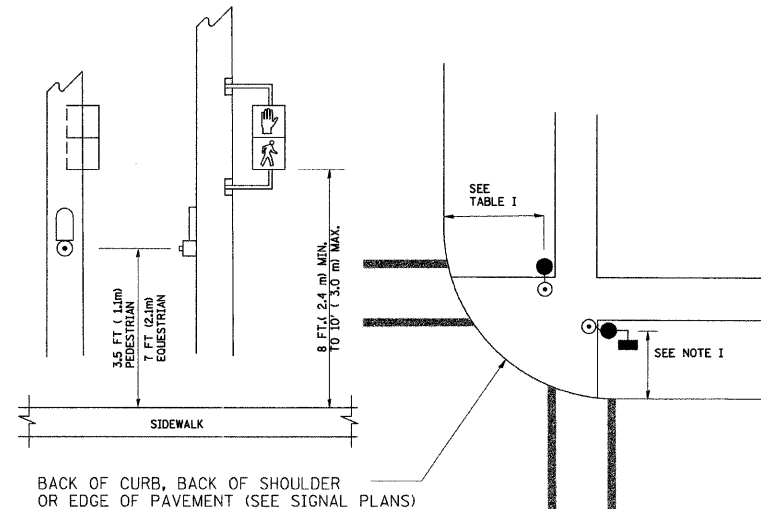
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

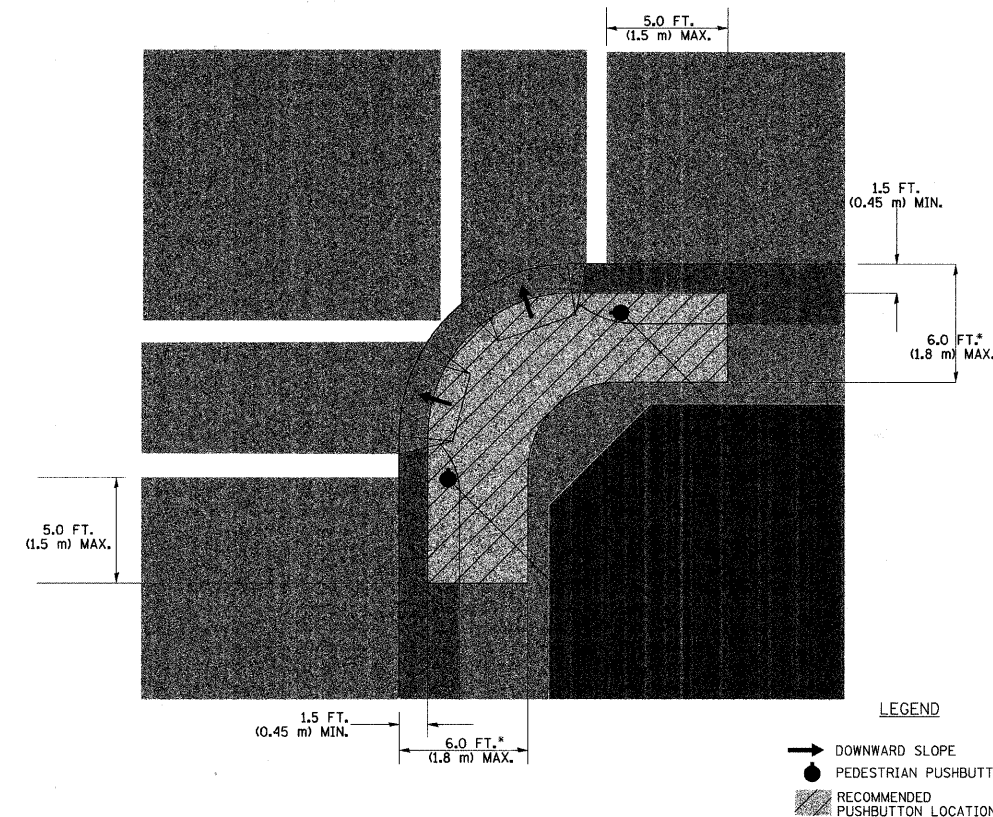
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

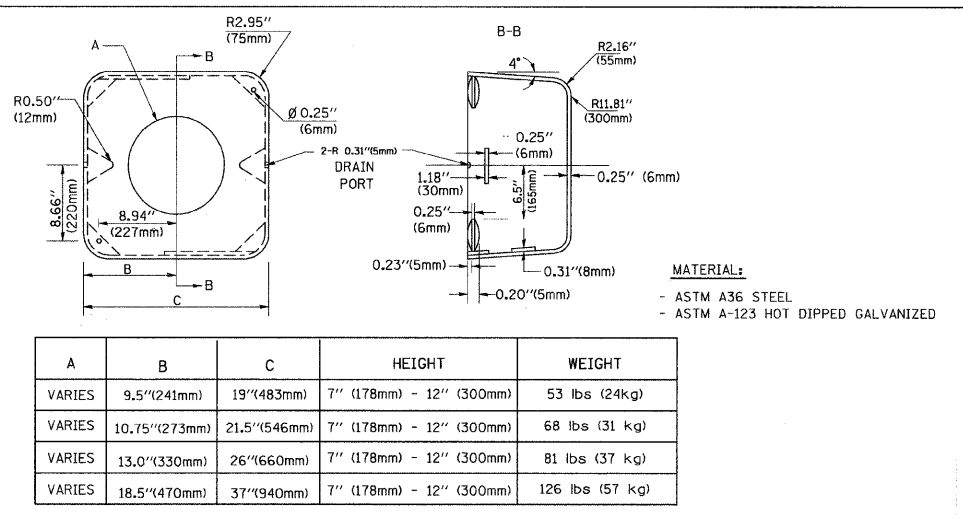
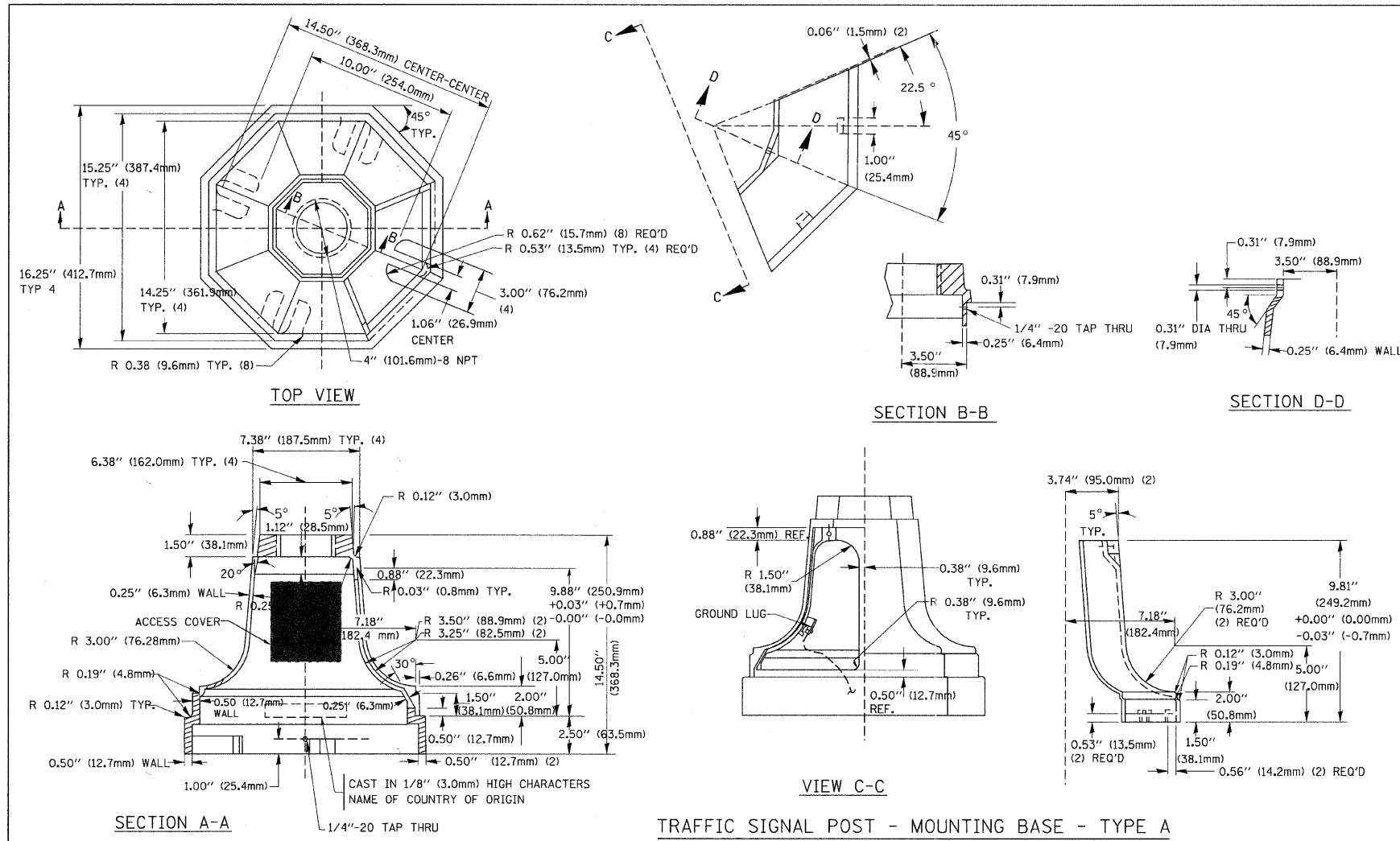
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

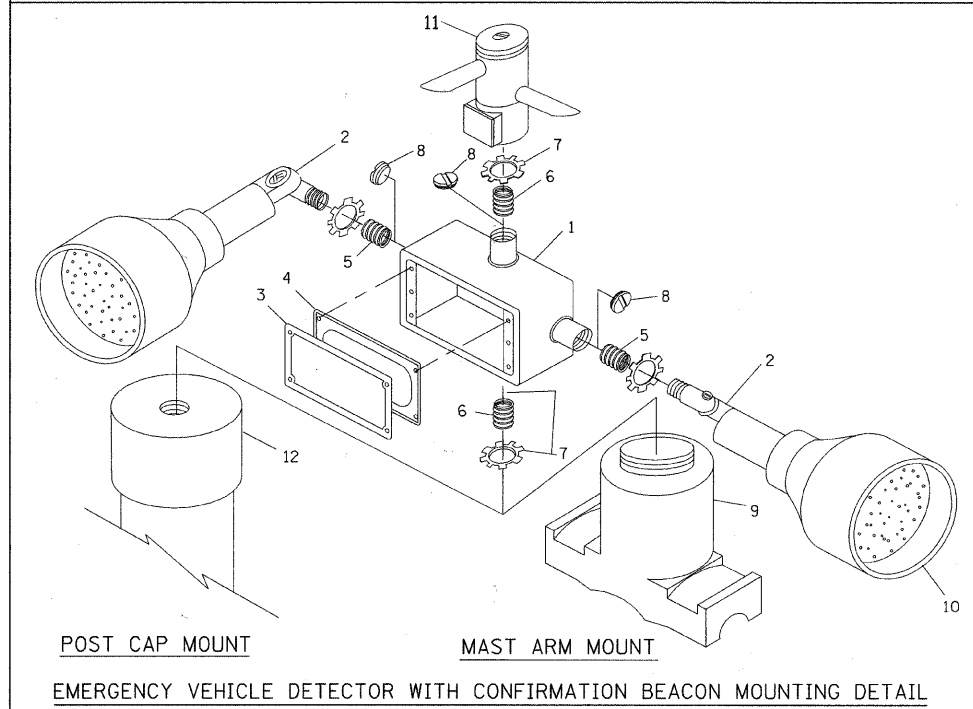
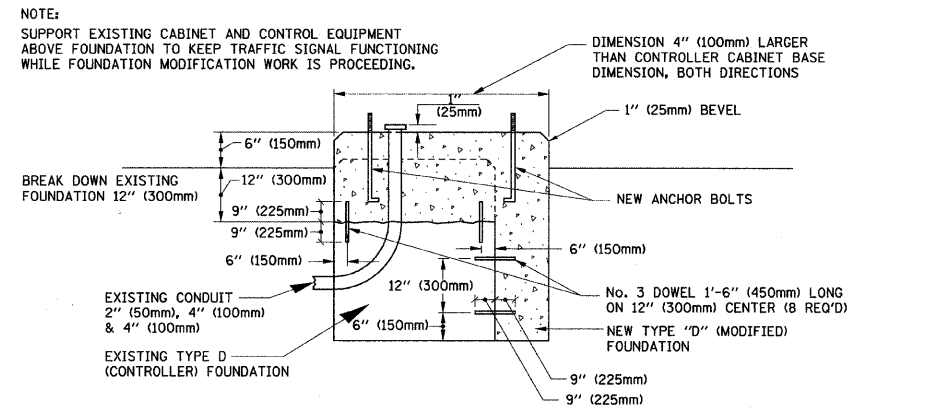
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.





**NOTES:**

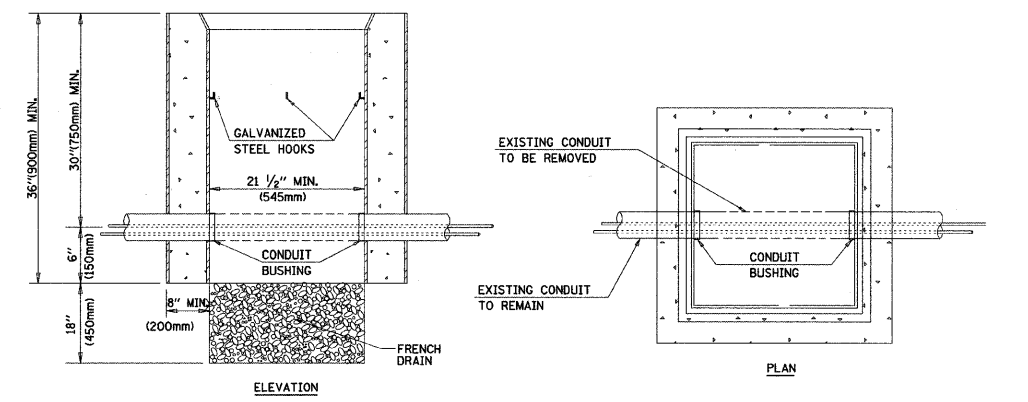
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



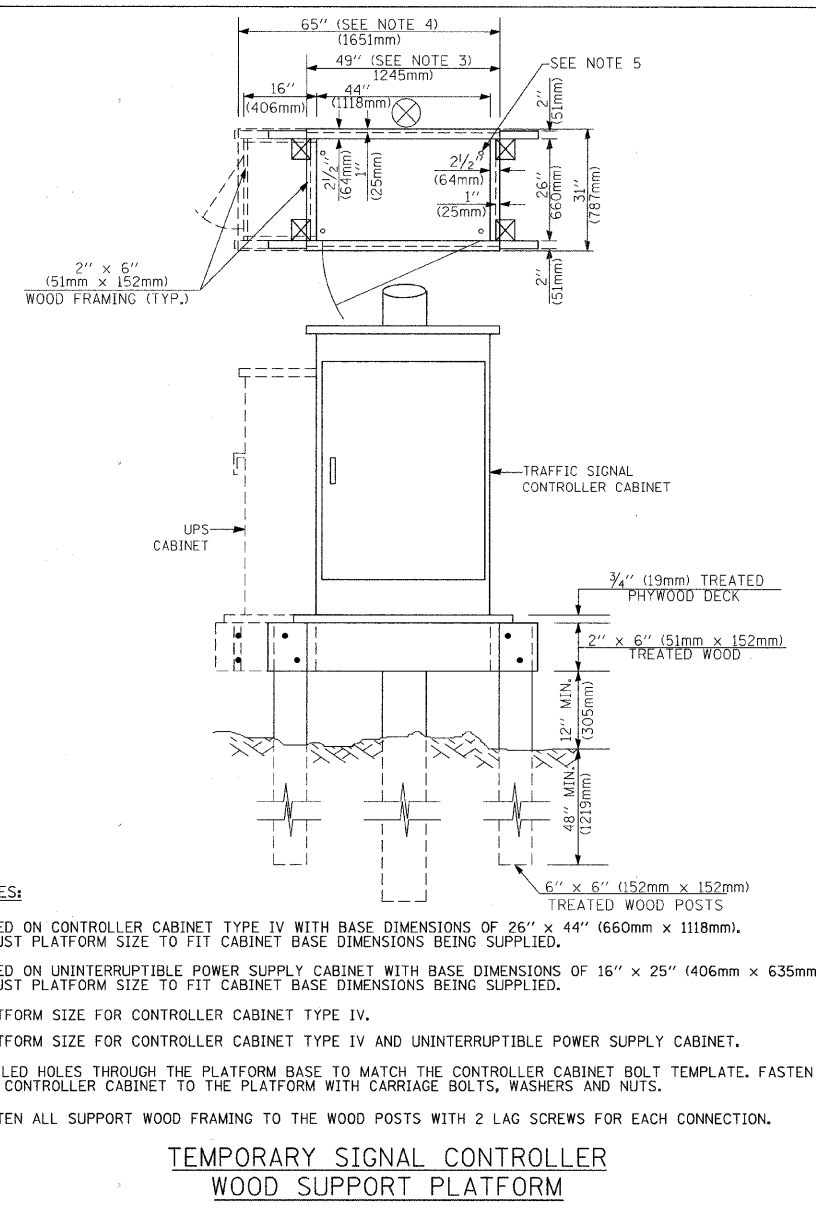
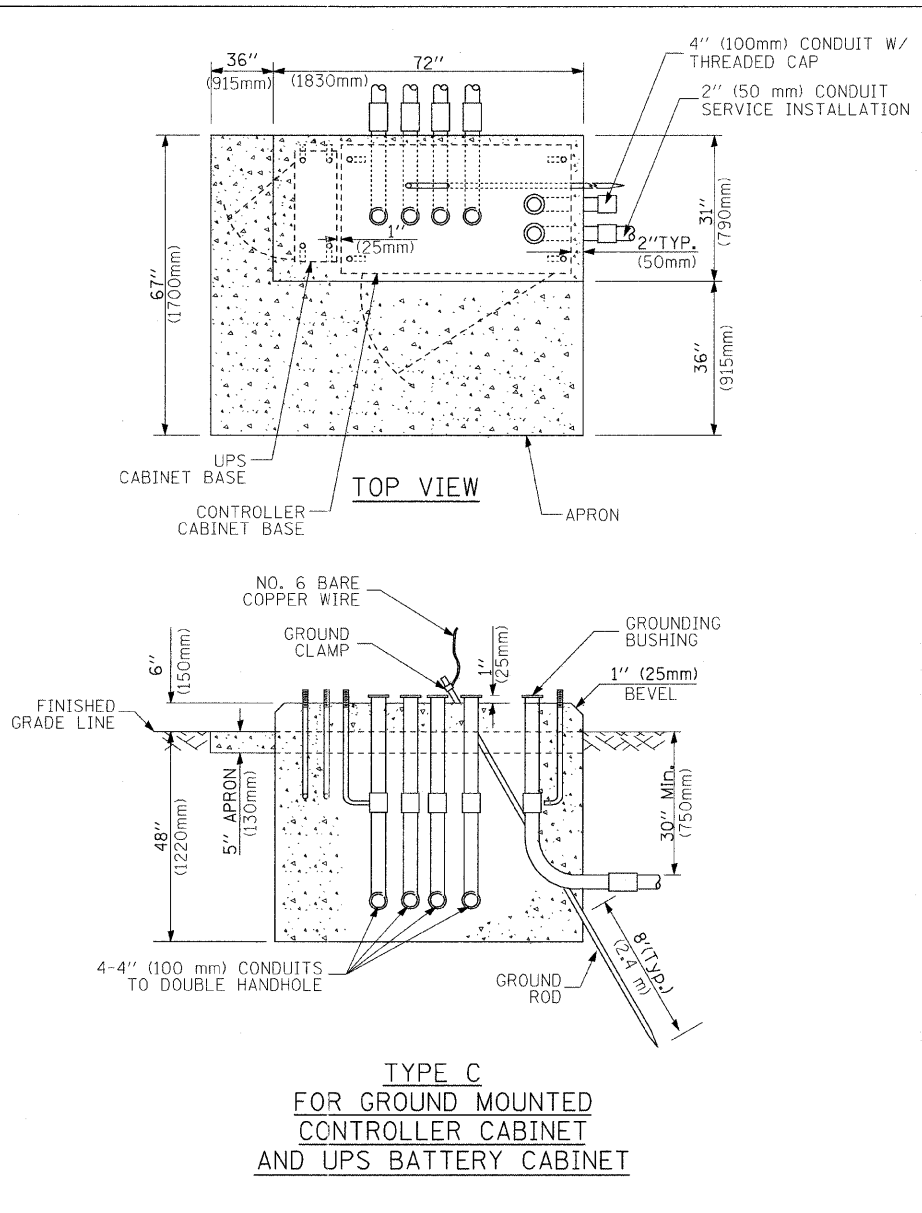
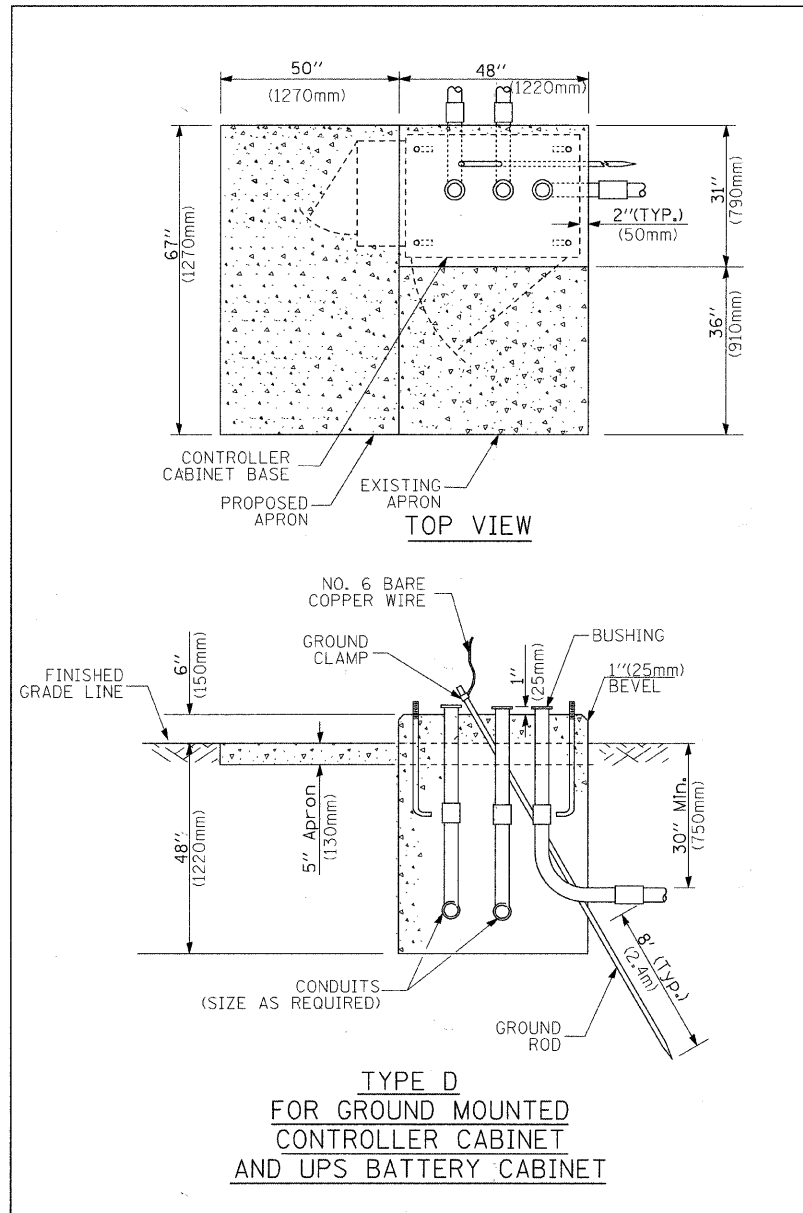
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE. 1504	SECTION 94-00302-00-EP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 160
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 63609		



- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
  4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
  5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
  6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
  2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
  3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
  4. For mast arm assemblies with dual arms refer to state standard 878001.

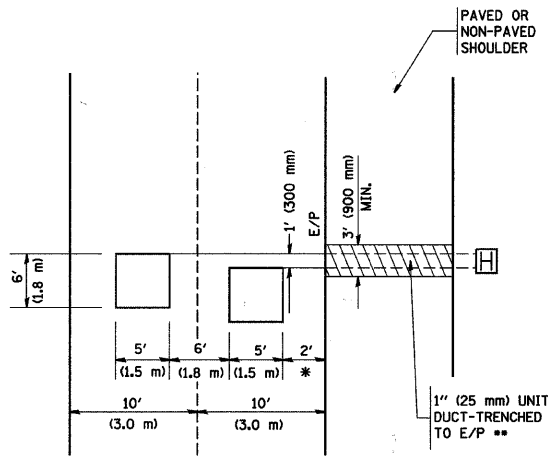
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S		STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I		ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PREFORMED SAMPLING (SYSTEM) DETECTOR			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				<b>RAILROAD SYMBOLS</b>			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				EXISTING			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				RAILROAD CANTILEVER MAST ARM			
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				FLASHING SIGNAL			
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)				CROSSING GATE			
MICROWAVE VEHICLE SENSOR								CROSSBUCK			
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



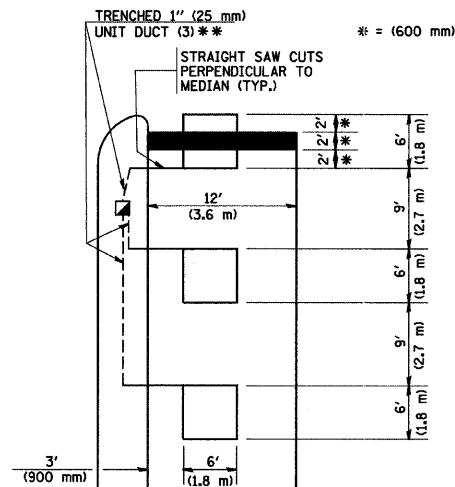
\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD B14001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

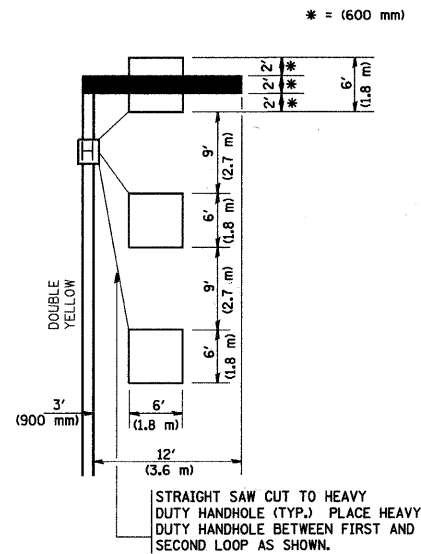


\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

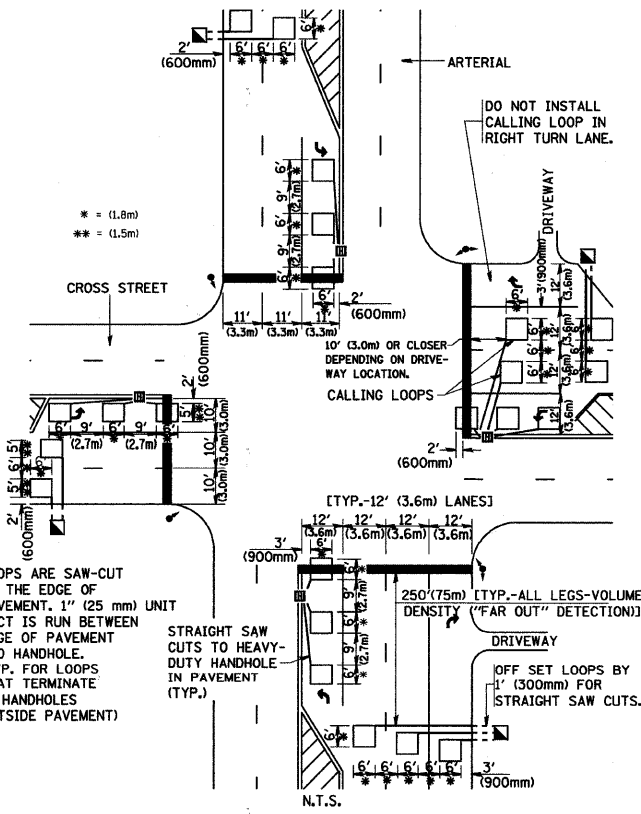
**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



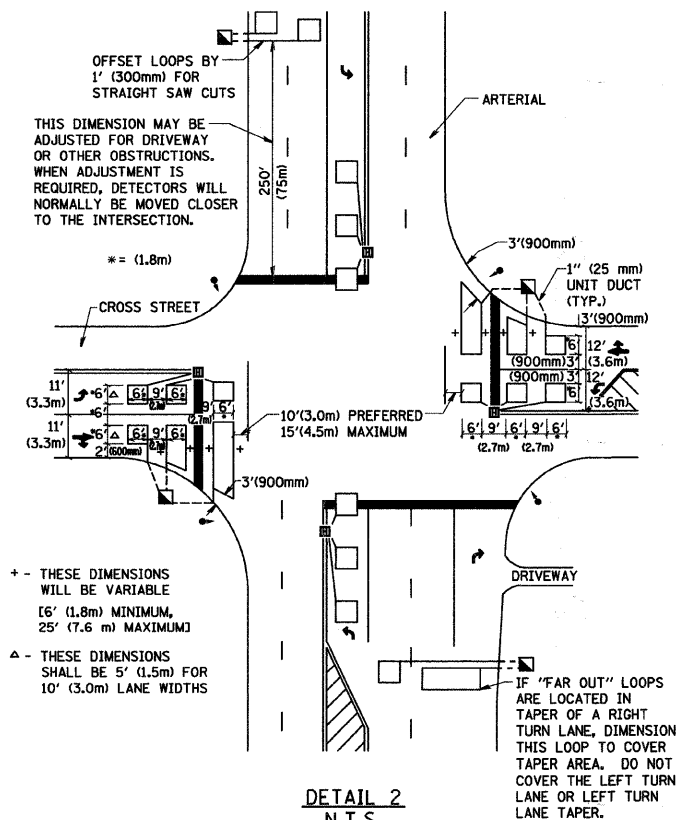
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1  
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2  
N.T.S.

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

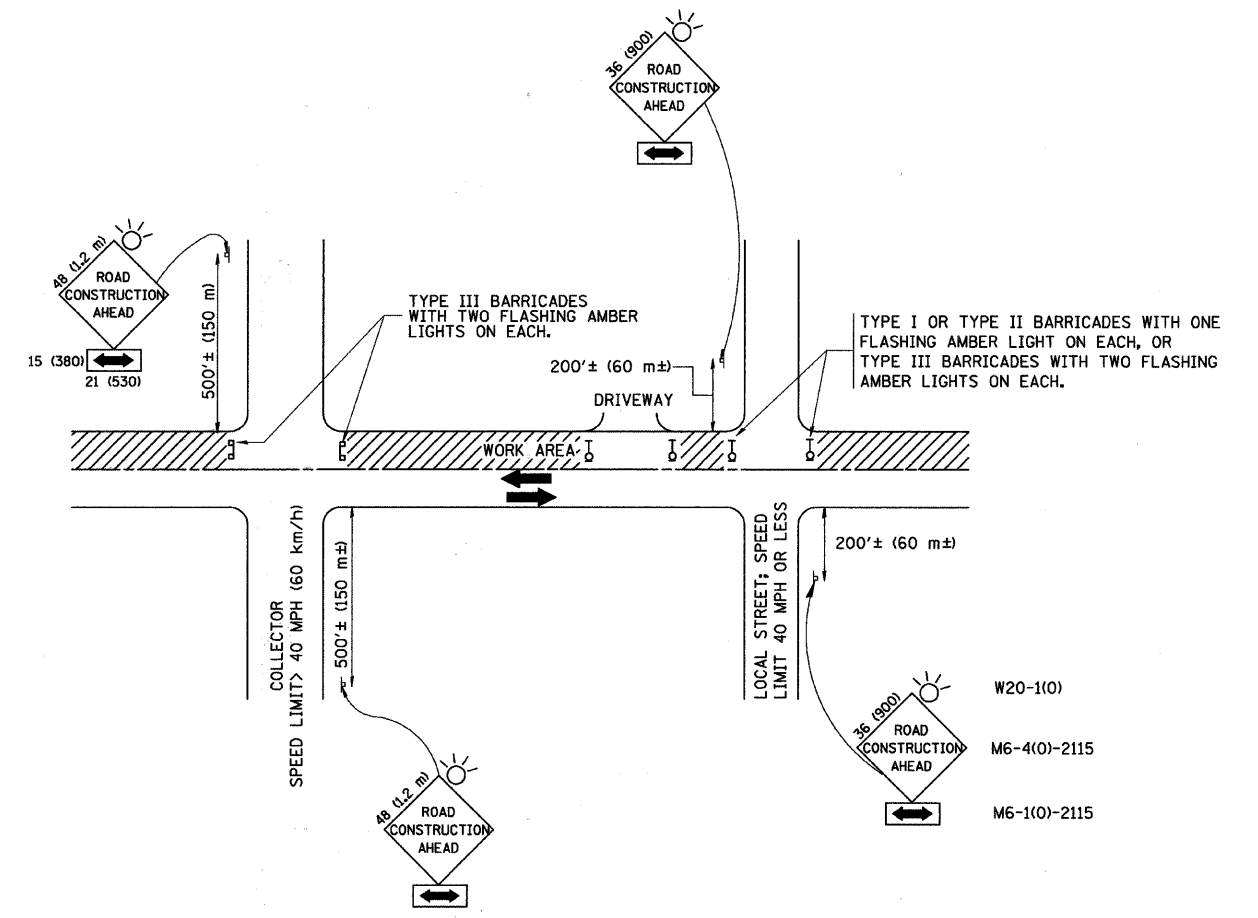
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = v:\2791\IDOT\COMBINED.pdf	USER NAME = geglano	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</b>		F.A.U. RTE. 1504	SECTION 94-00302-00-PP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 163
PLT SCALE = 50,0000' / IN.	PLT DATE = 1/4/2008	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>TS-07</b>		CONTRACT NO. 63609	
		CHECKED - R.K.F.	REVISED -					FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			
		DATE -	REVISED -								



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
  - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

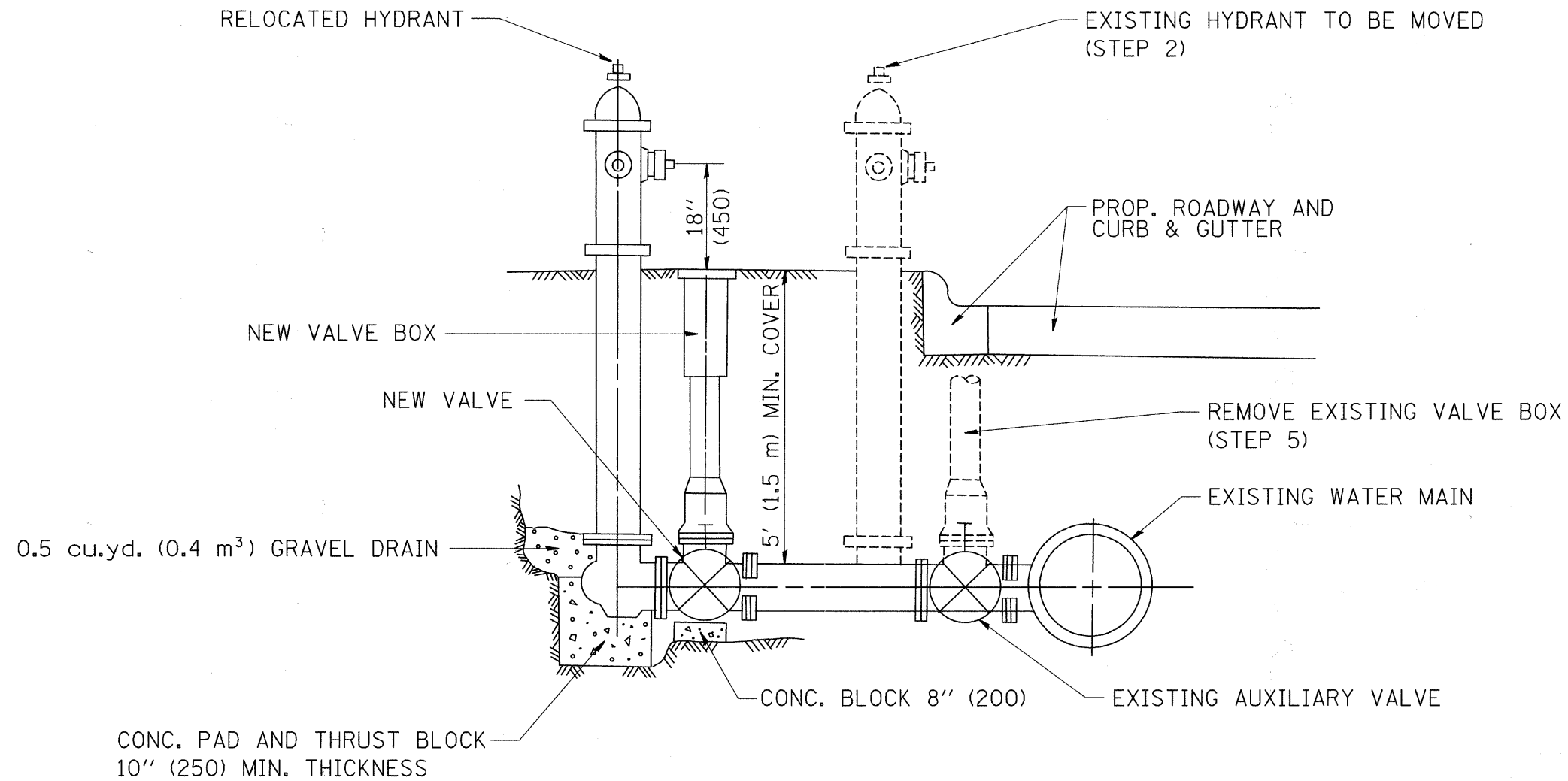
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-PP	DU PAGE	240	164
TC-10				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
			CONTRACT NO.	63609





SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

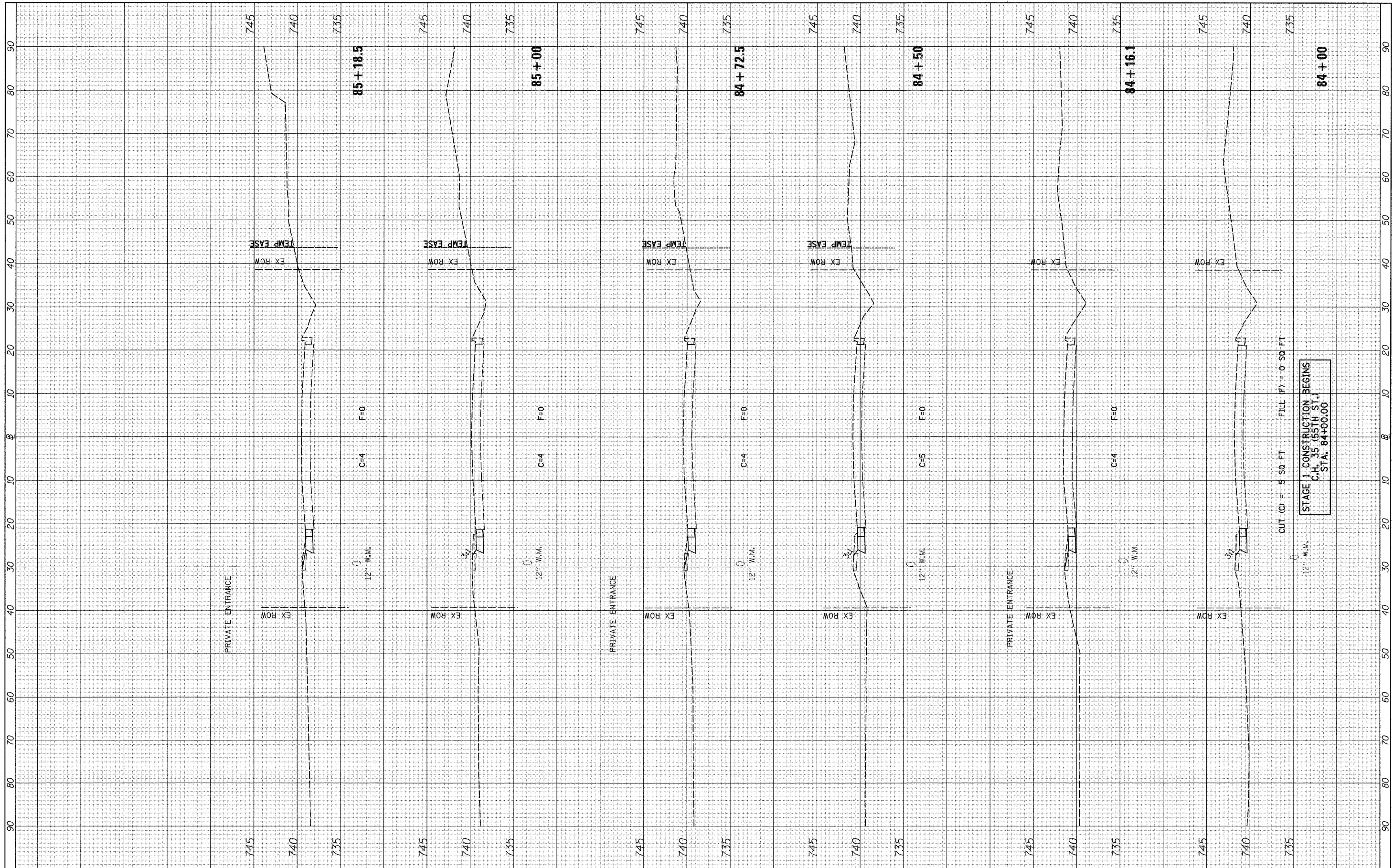
FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94		1504	94-00302-00-PP	DU PAGE	240	165				
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.				<b>BD-36</b>		CONTRACT NO. 63609		
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT								

FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	



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PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 5/20/2011	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**

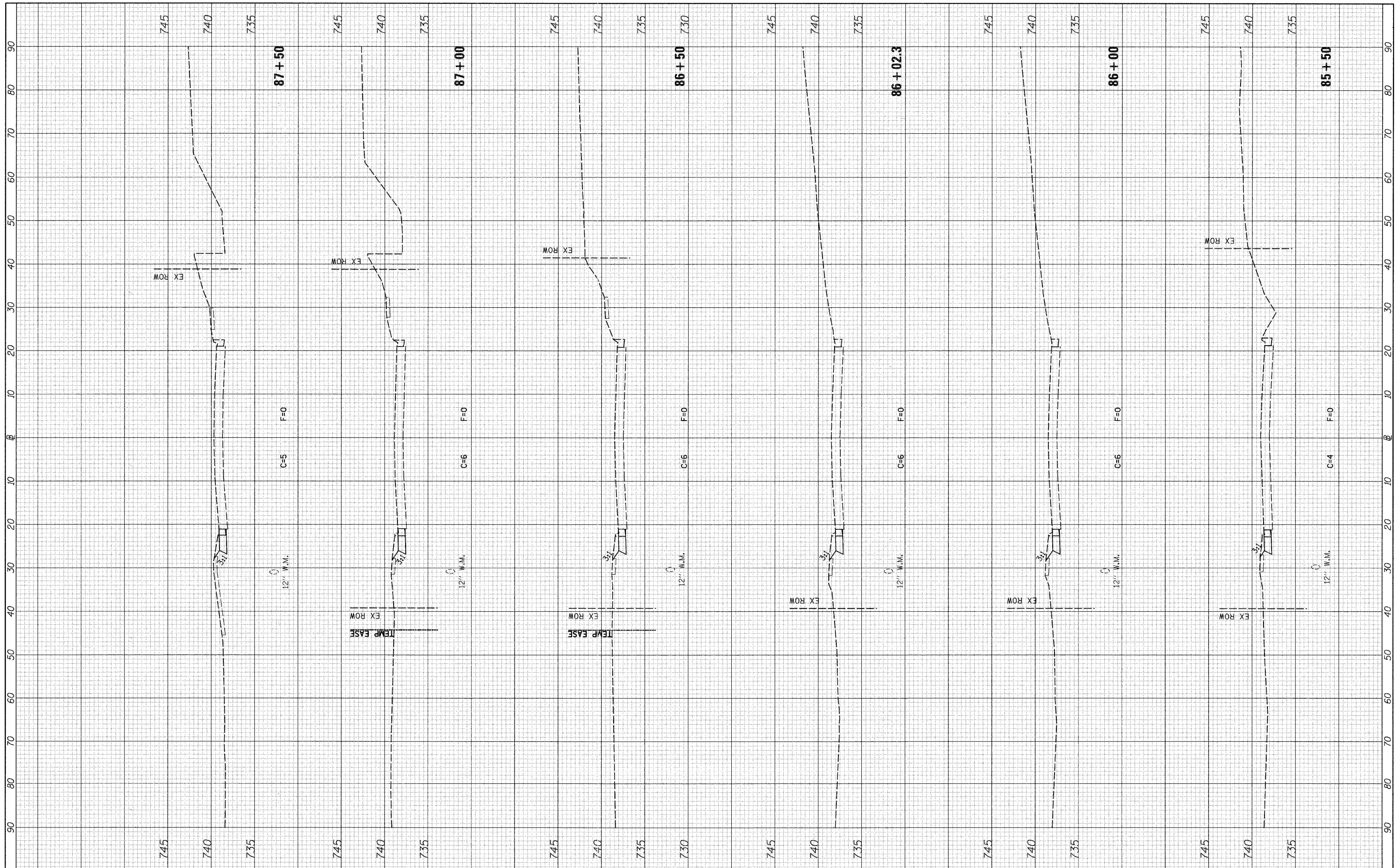
SCALE: H=10 V=5 SHEET NO. 1 OF 7 SHEETS STA. 84+00 TO STA. 85+18.5

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	166
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

STAGE 1 CONSTRUCTION BEGINS  
 C.H. 35 (55TH ST.)  
 STA. 84+00.00

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



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 PLOT DATE = 5/20/2011

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DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

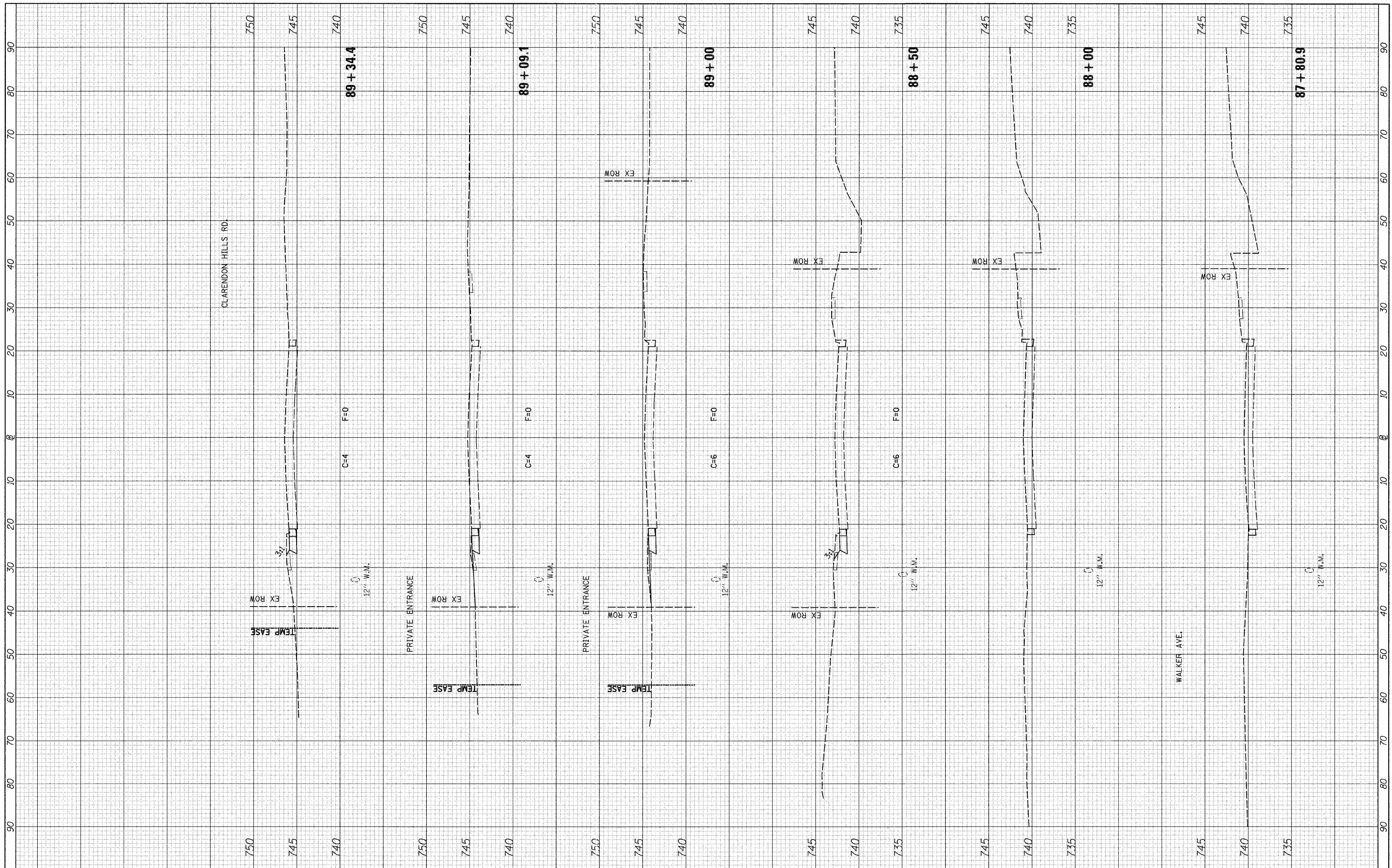
**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 2 OF 7 SHEETS STA. 85+50 TO STA. 87+50

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 167
CONTRACT NO. 63609				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	DATE	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	DATE	



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

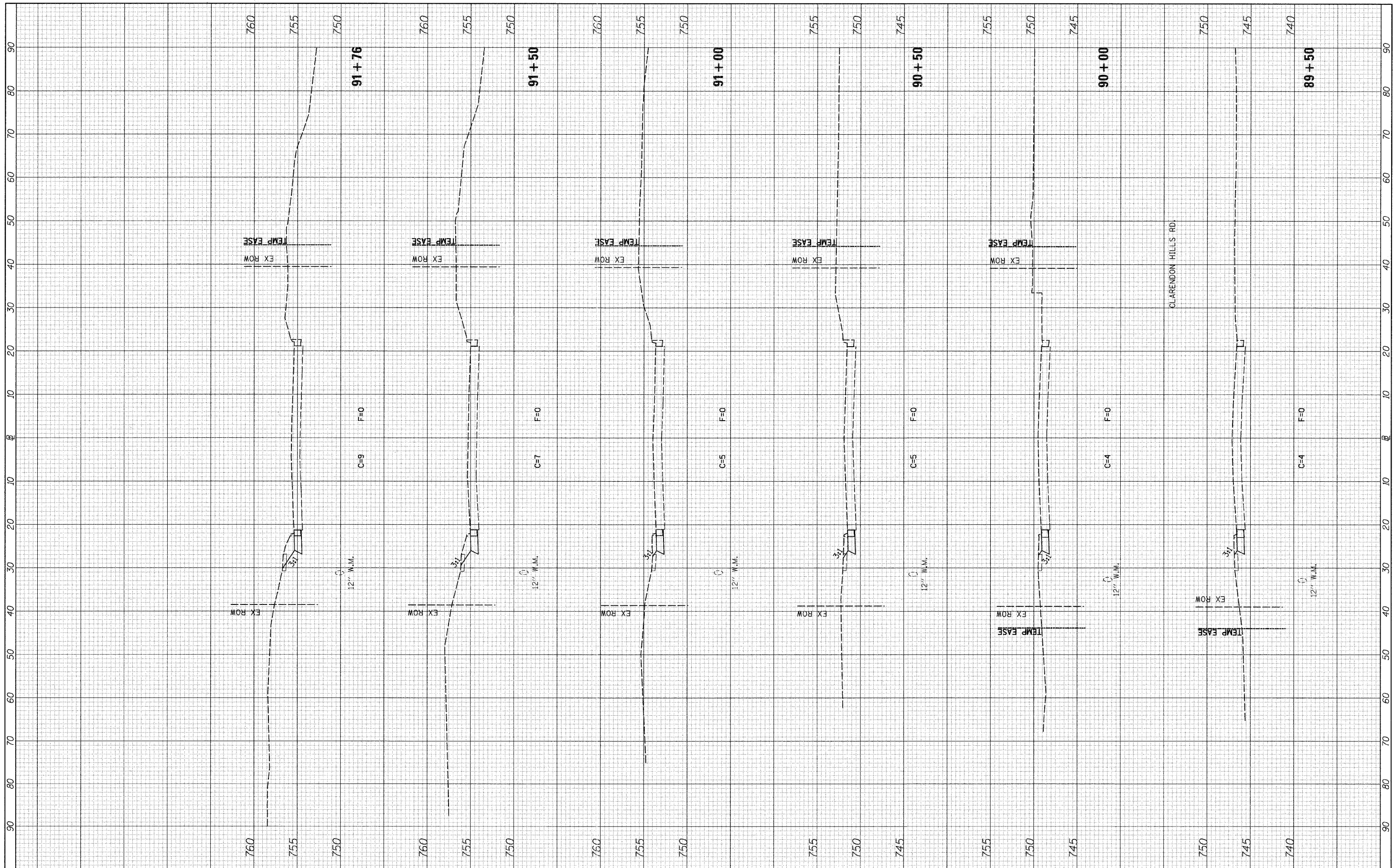
**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 3 OF 7 SHEETS STA. 87+80.9 TO STA. 89+34.4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	168
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NO.	PLOTTED	BY
	NOTE BOOK	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
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PLOT DATE = 5/20/2011	DATE -	REVISED -

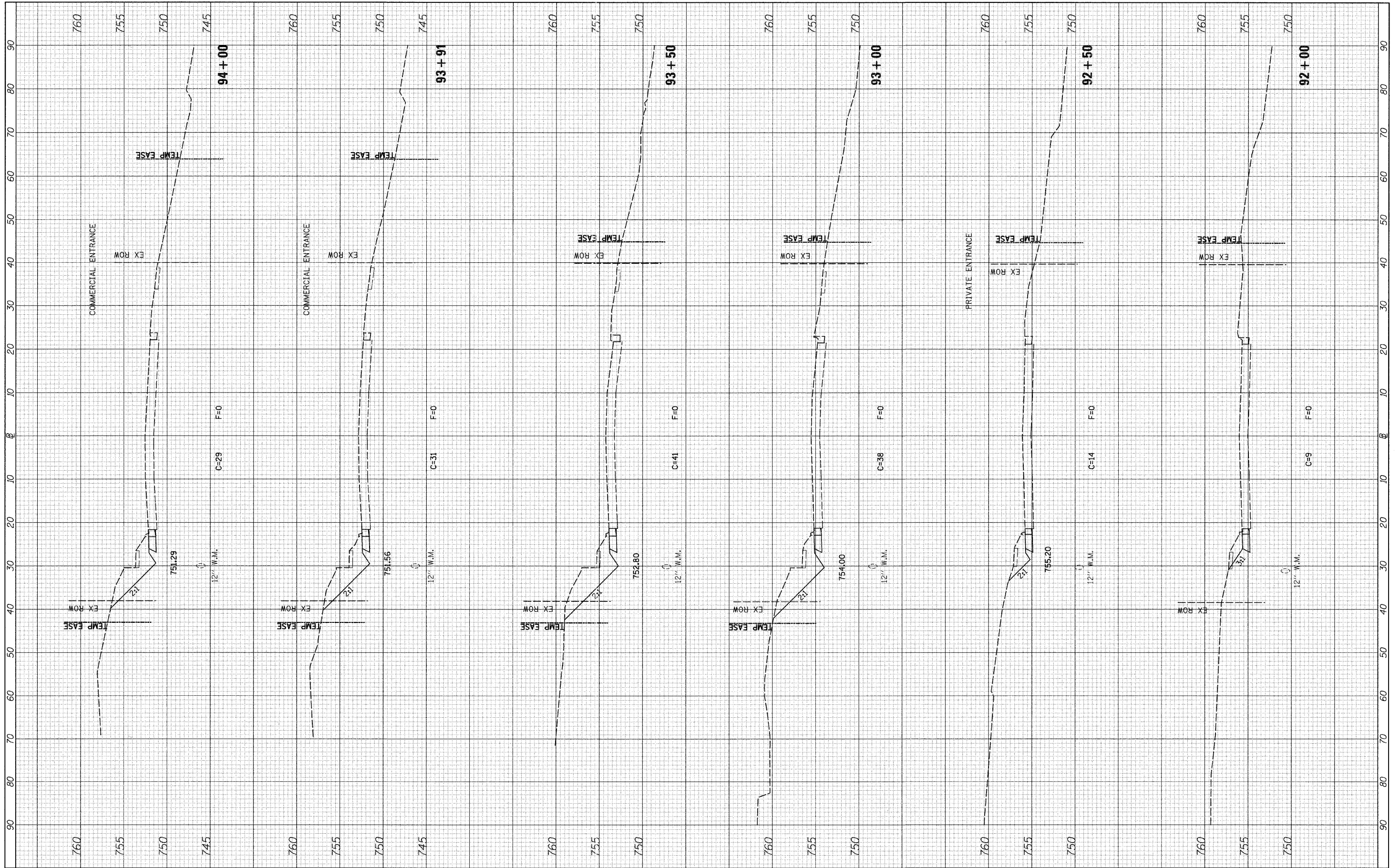
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**  
SCALE: H=10 V=5 SHEET NO. 4 OF 7 SHEETS STA. 89+50 TO STA. 91+76

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	169
CONTRACT NO. 63609				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

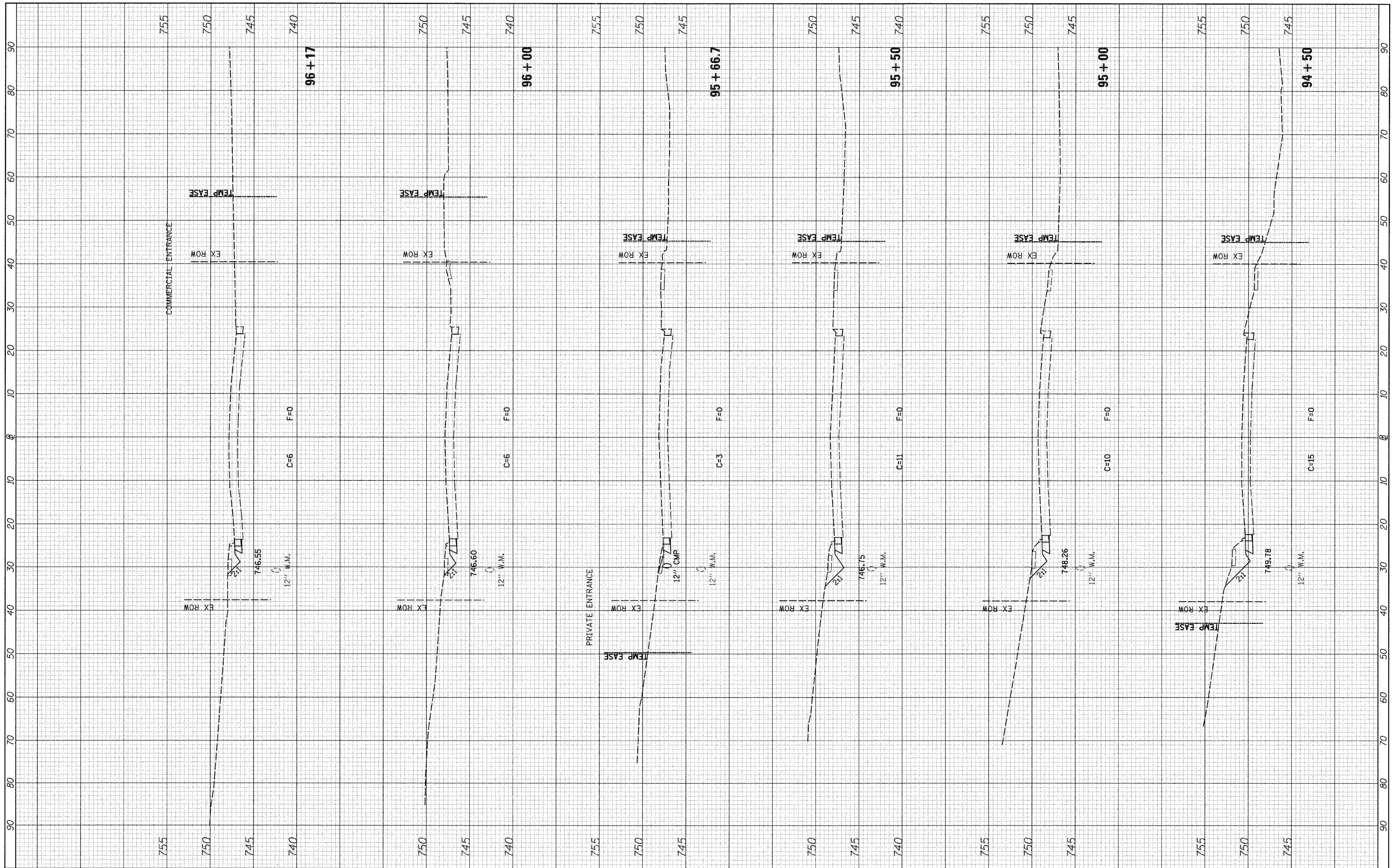
**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 5 OF 7 SHEETS STA. 92+00 TO STA. 94+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	170
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

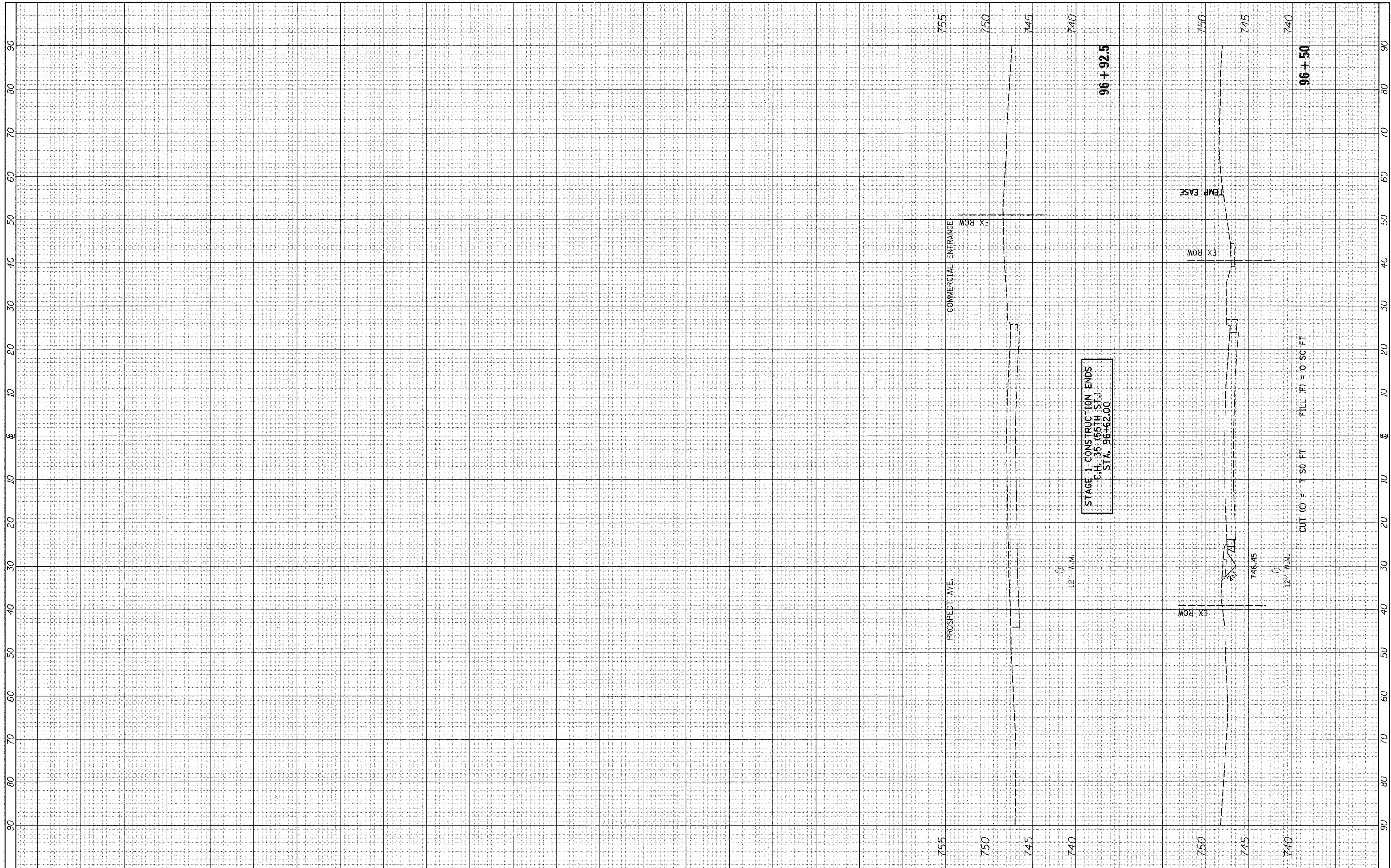
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SCALE: H=10 V=5 SHEET NO. 6 OF 7 SHEETS STA. 94+50 TO STA. 96+17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	171
			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGE 1 CROSS SECTIONS**

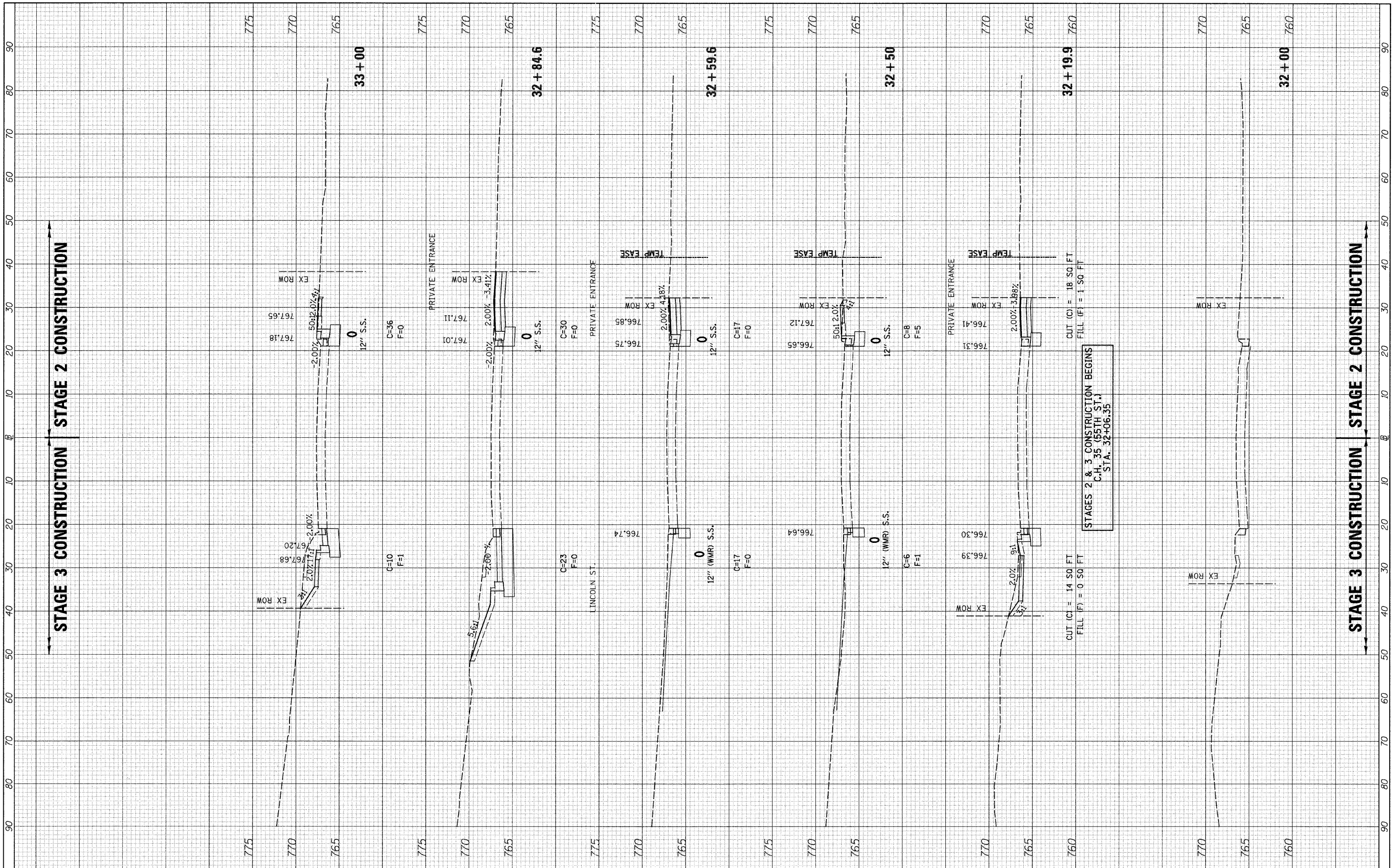
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	172
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	



STAGES 2 & 3 CONSTRUCTION BEGINS  
C.H. 35 (55TH ST.)  
STA. 32+06.35

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USER NAME = bdcraene  
DESIGNED -  
DRAWN -  
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DATE -  
PLOT SCALE = 10.0000" / IN.  
PLOT DATE = 5/20/2011

REVISIONS:  
REVISOR -  
DATE -  
REVISOR -  
DATE -  
REVISOR -  
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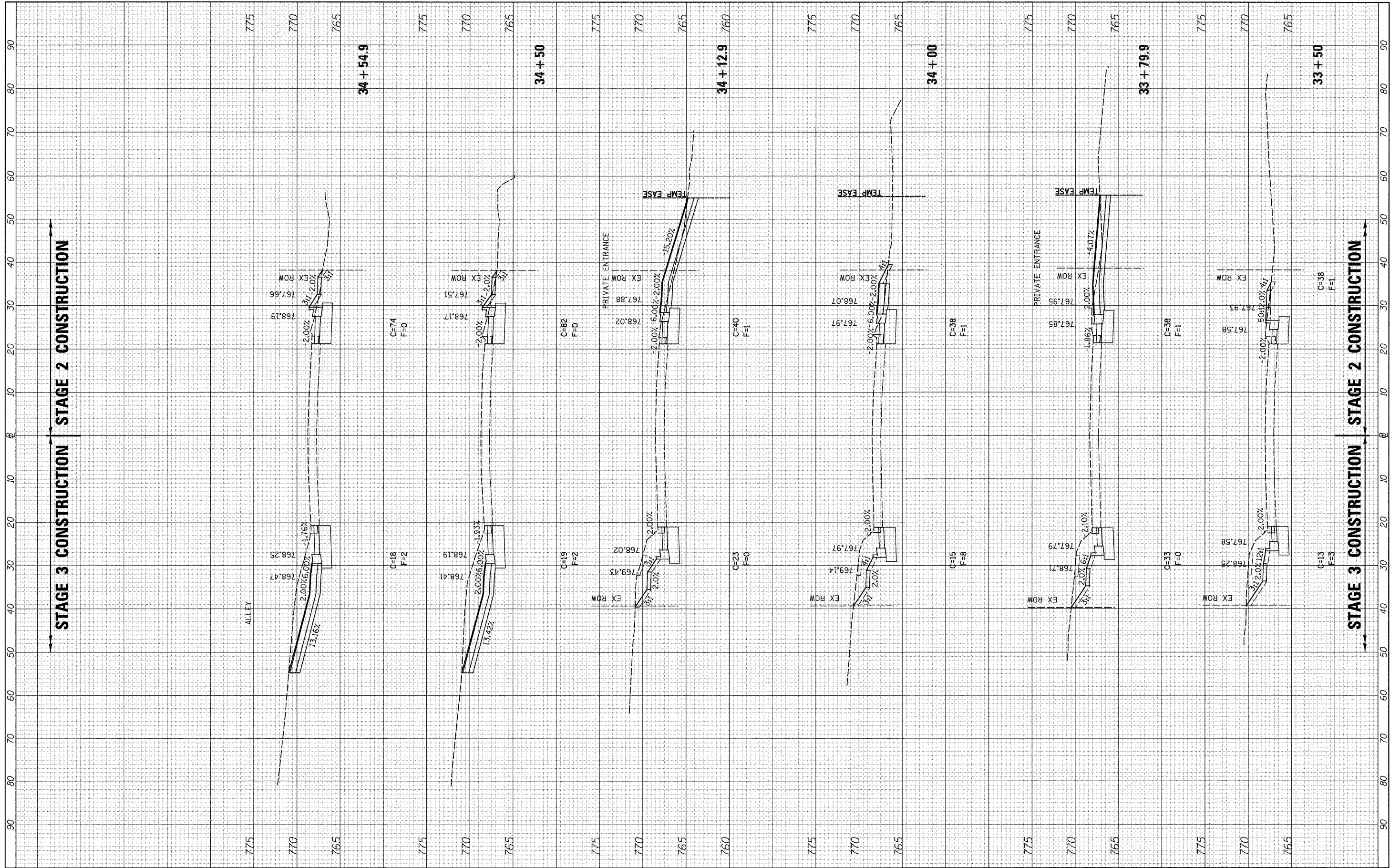
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS  
SCALE: H=10 V=5 SHEET NO. 1 OF 16 SHEETS STA. 32+00 TO STA. 33+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	173
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	DATE	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	DATE	



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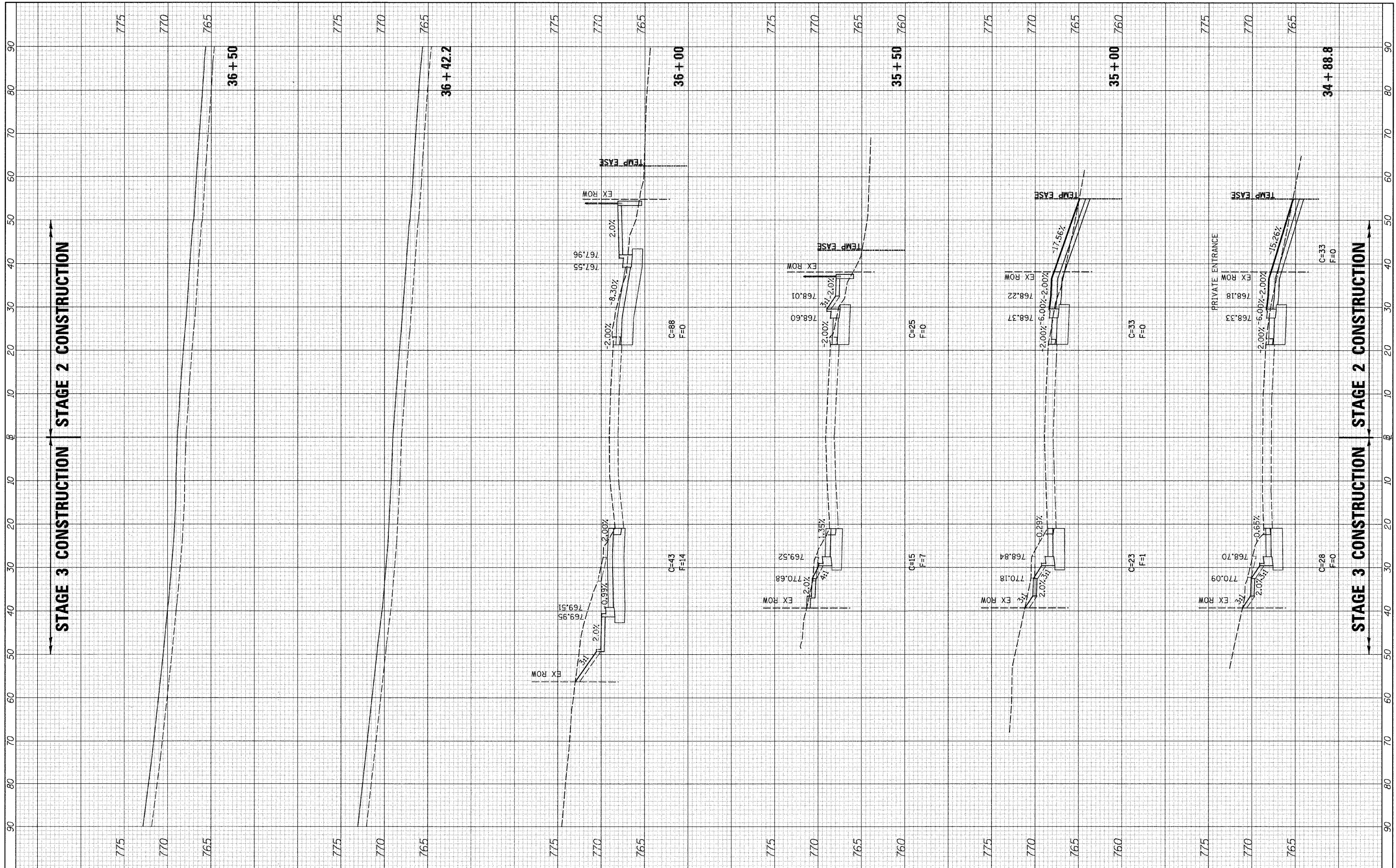
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
SCALE: H=10 V=5 SHEET NO. 2 OF 16 SHEETS STA. 33+50 TO STA. 34+54.9

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY	TOTAL SHEETS 240	SHEET NO. 174
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

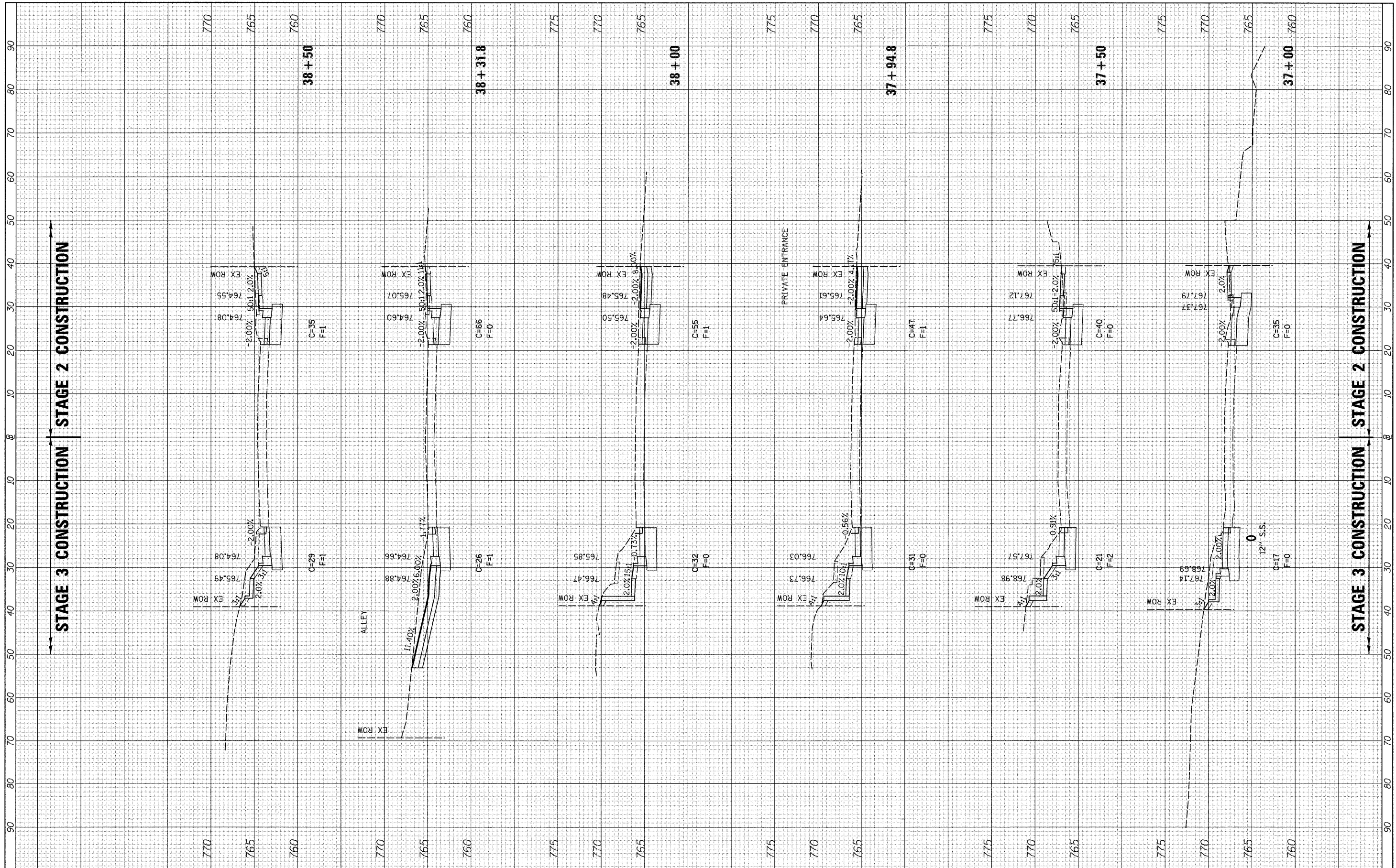
**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 3 OF 16 SHEETS STA. 34+88.8 TO STA. 36+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP		240	175
			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NO. _____	PLOTTED	BY _____
NOTE BOOK NO. _____	DATE _____	
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NOTE BOOK NO. _____	DATE _____	
AREAS CHECKED _____		



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**

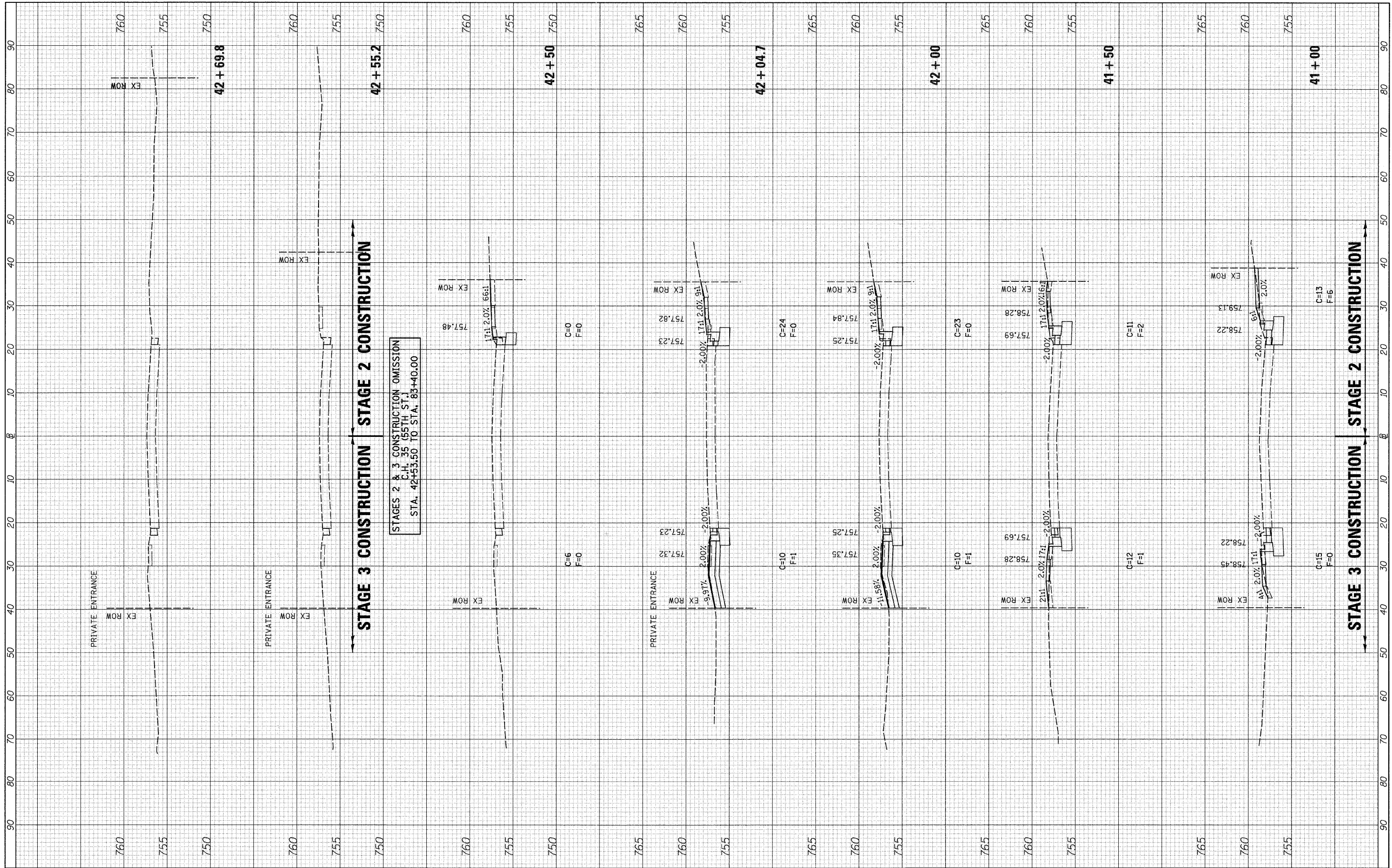
SCALE: H=10 V=5    SHEET NO. 4 OF 16 SHEETS    STA. 37+00 TO STA. 38+50

F.A.U. RT# 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 176
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



STAGES 2 & 3 CONSTRUCTION OMISSION  
 C.H. 35 (55TH ST.)  
 STA. 42+53.50 TO STA. 83+40.00

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

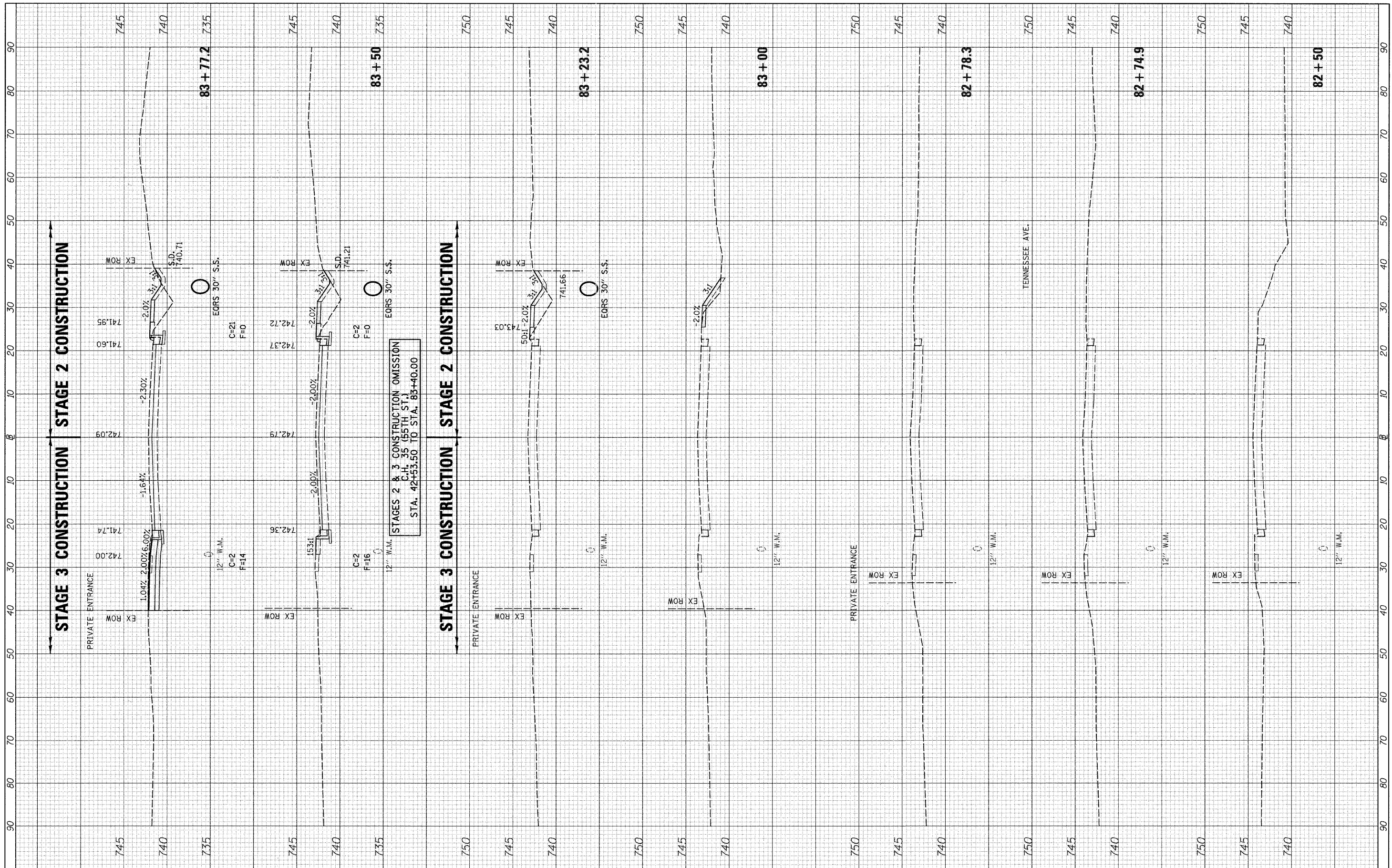
**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 6 OF 16 SHEETS STA. 41+00 TO STA. 42+69.8

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	178
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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STAGES 2 & 3 CONSTRUCTION OMISSION  
 C.H. 35 (55TH ST.)  
 STA. 42+53.50 TO STA. 83+40.00

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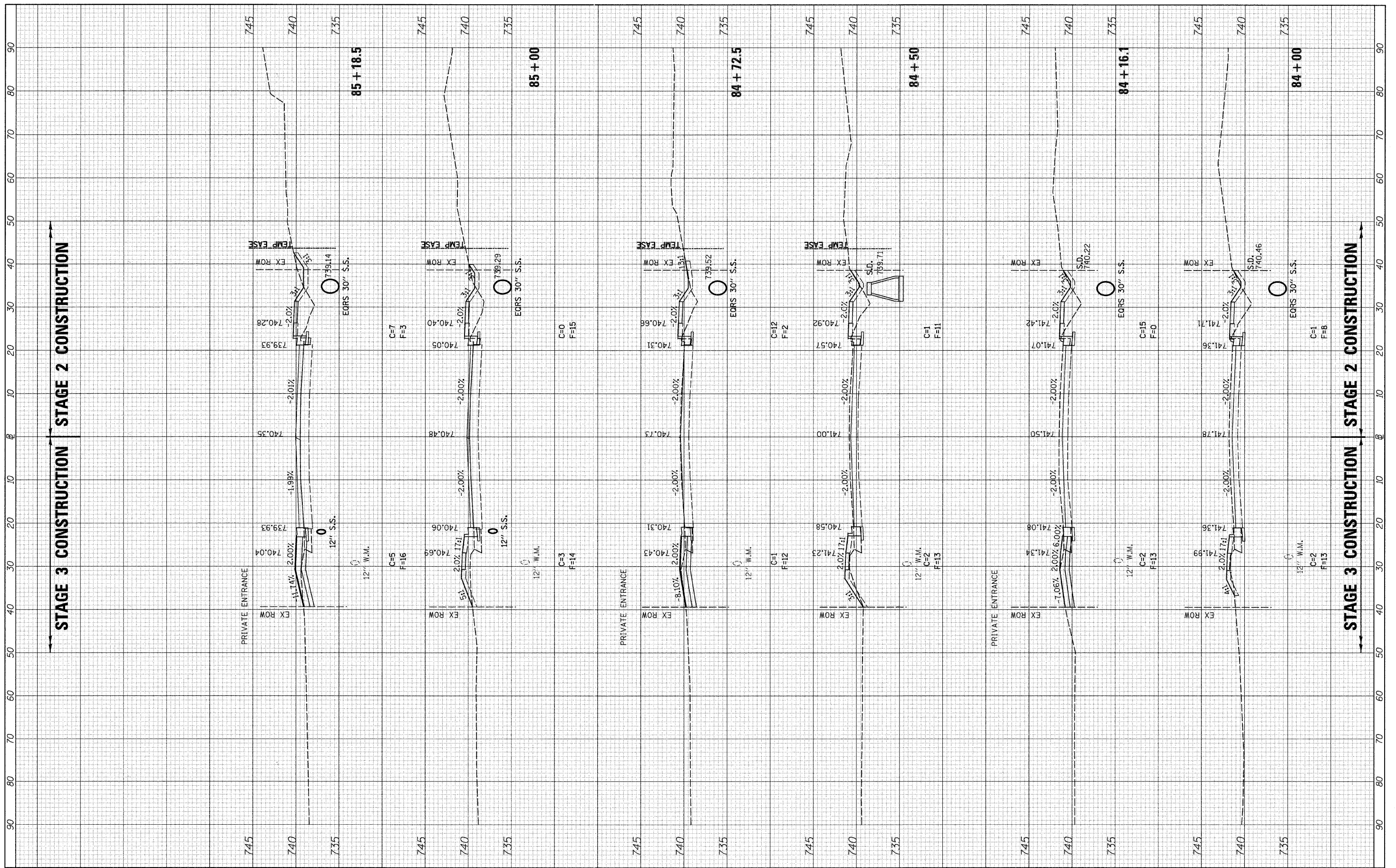
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS  
 SCALE: H=10 V=5 SHEET NO. 7 OF 16 SHEETS STA. 82+50 TO STA. 83+83.6

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	179
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINL SURVEY	DATE
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ORIGINAL SURVEY	DATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 8 OF 16 SHEETS STA. 84+00 TO STA. 85+18.5

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	180
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

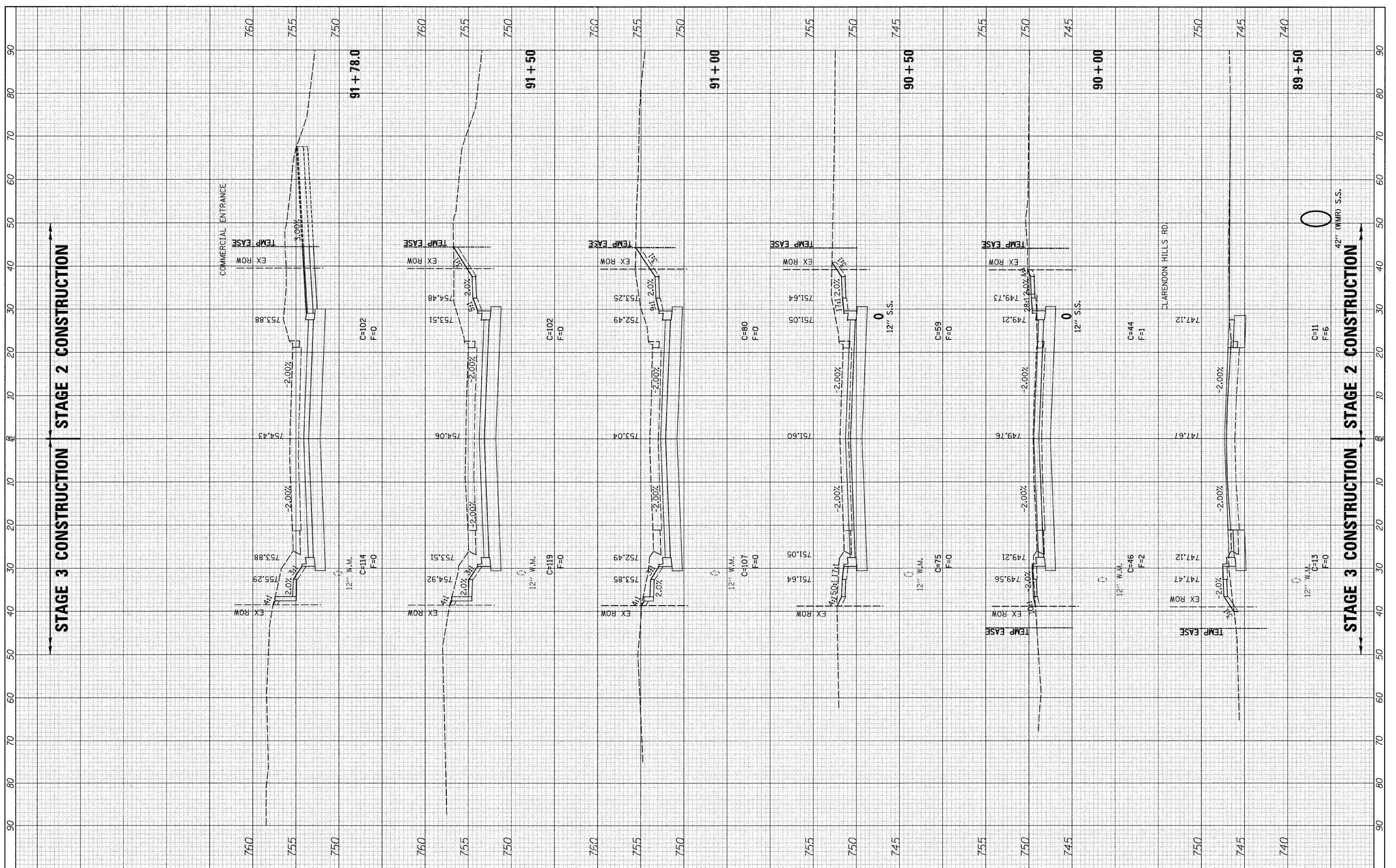






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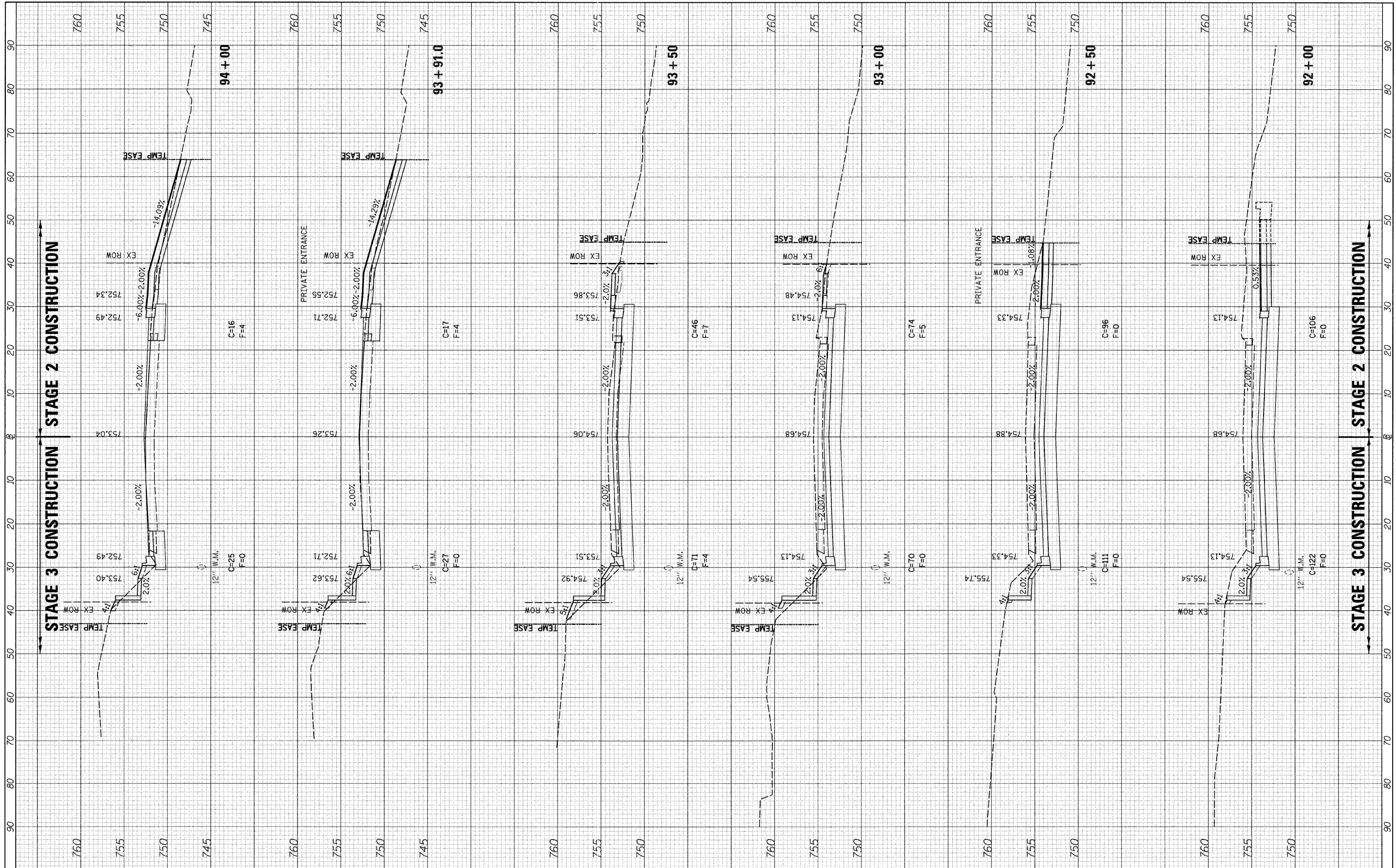
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 11 OF 16 SHEETS STA. 89+50 TO STA. 91+76

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 183
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

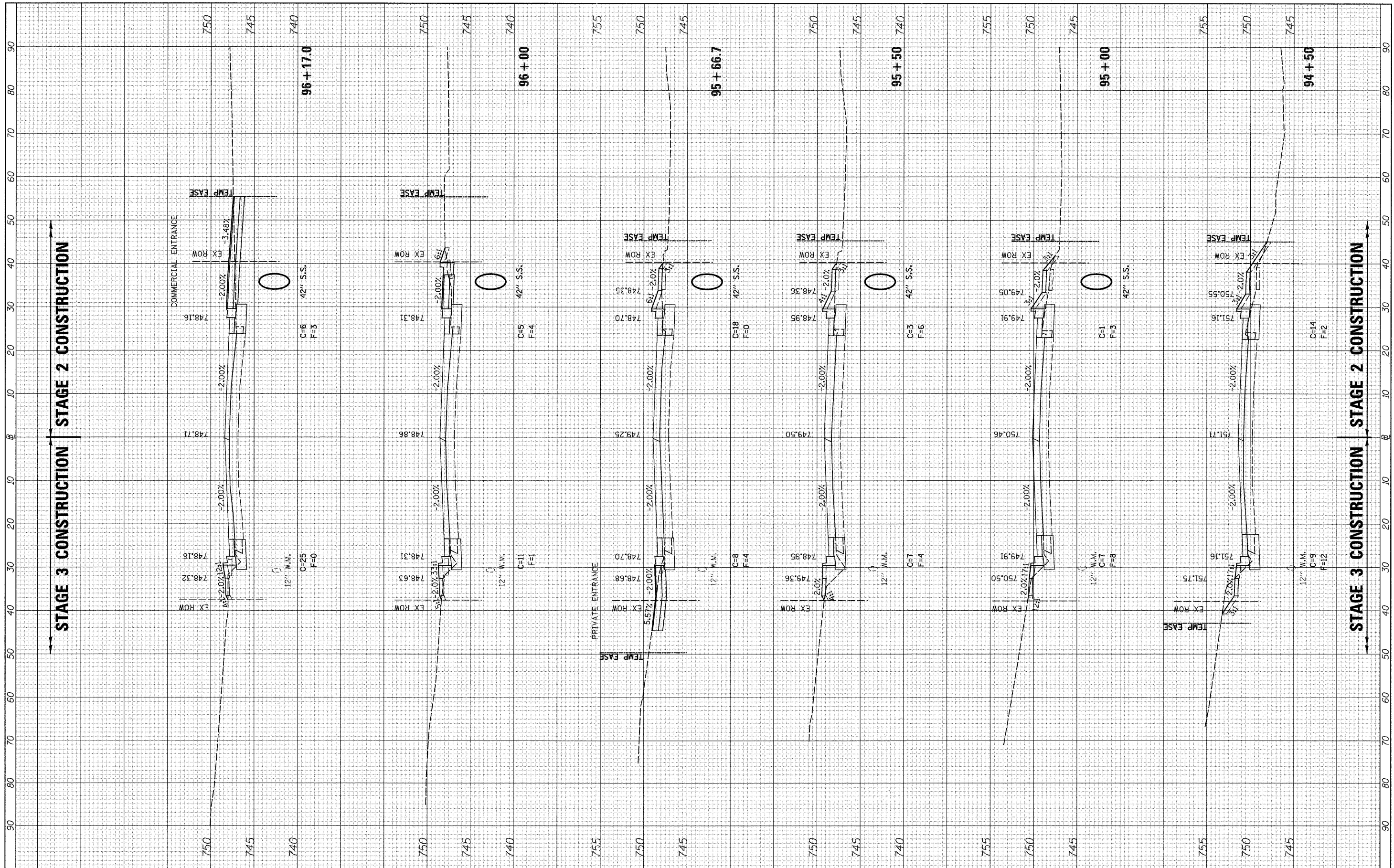
**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 12 OF 16 SHEETS STA. 92+00 TO STA. 94+00

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 184
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 FINISHED SURVEY PLOTTED \_\_\_\_\_  
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DATE \_\_\_\_\_ BY \_\_\_\_\_  
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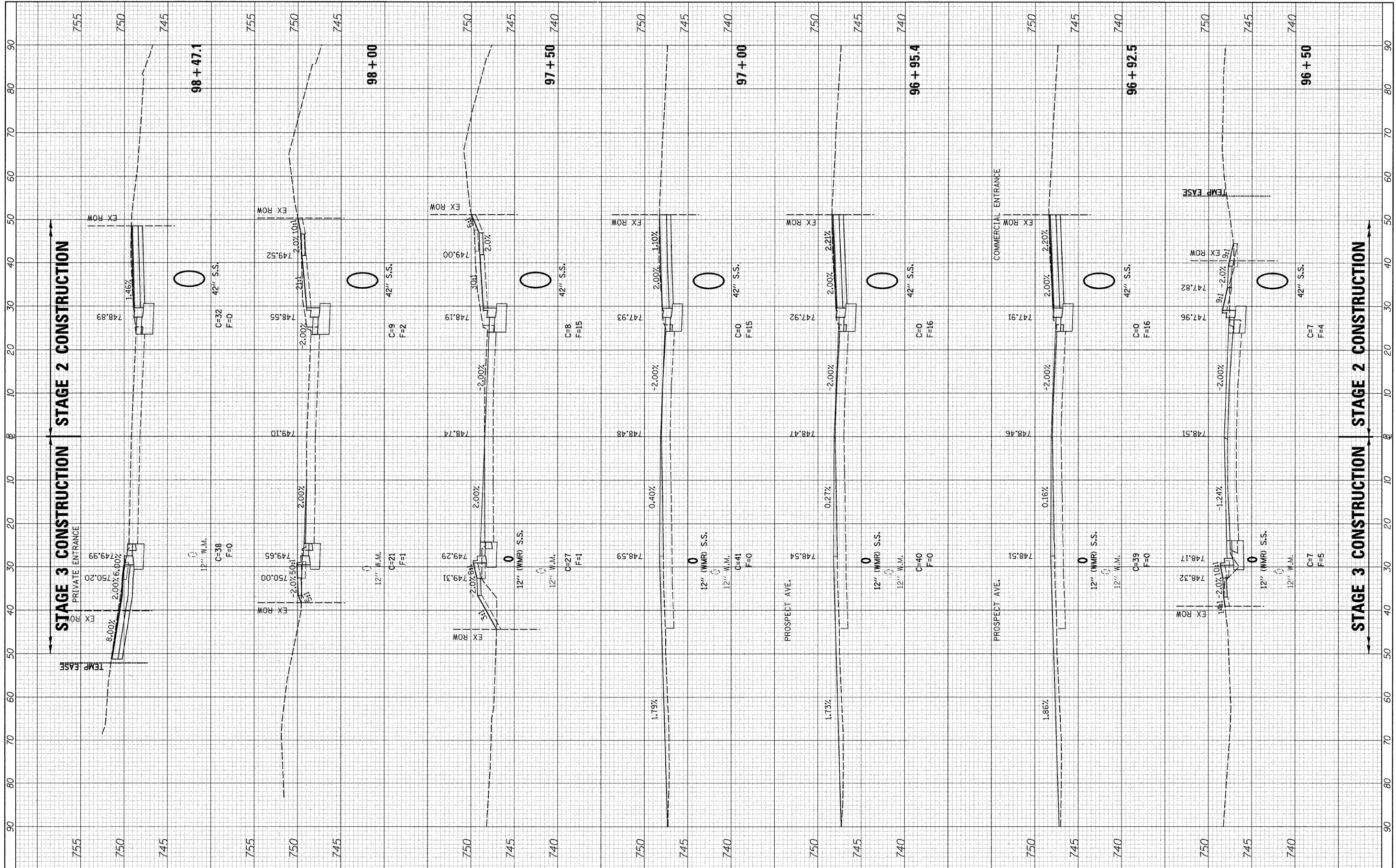
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 13 OF 16 SHEETS STA. 94+50 TO STA. 96+17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	185
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED DATE	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED DATE	BY	DATE



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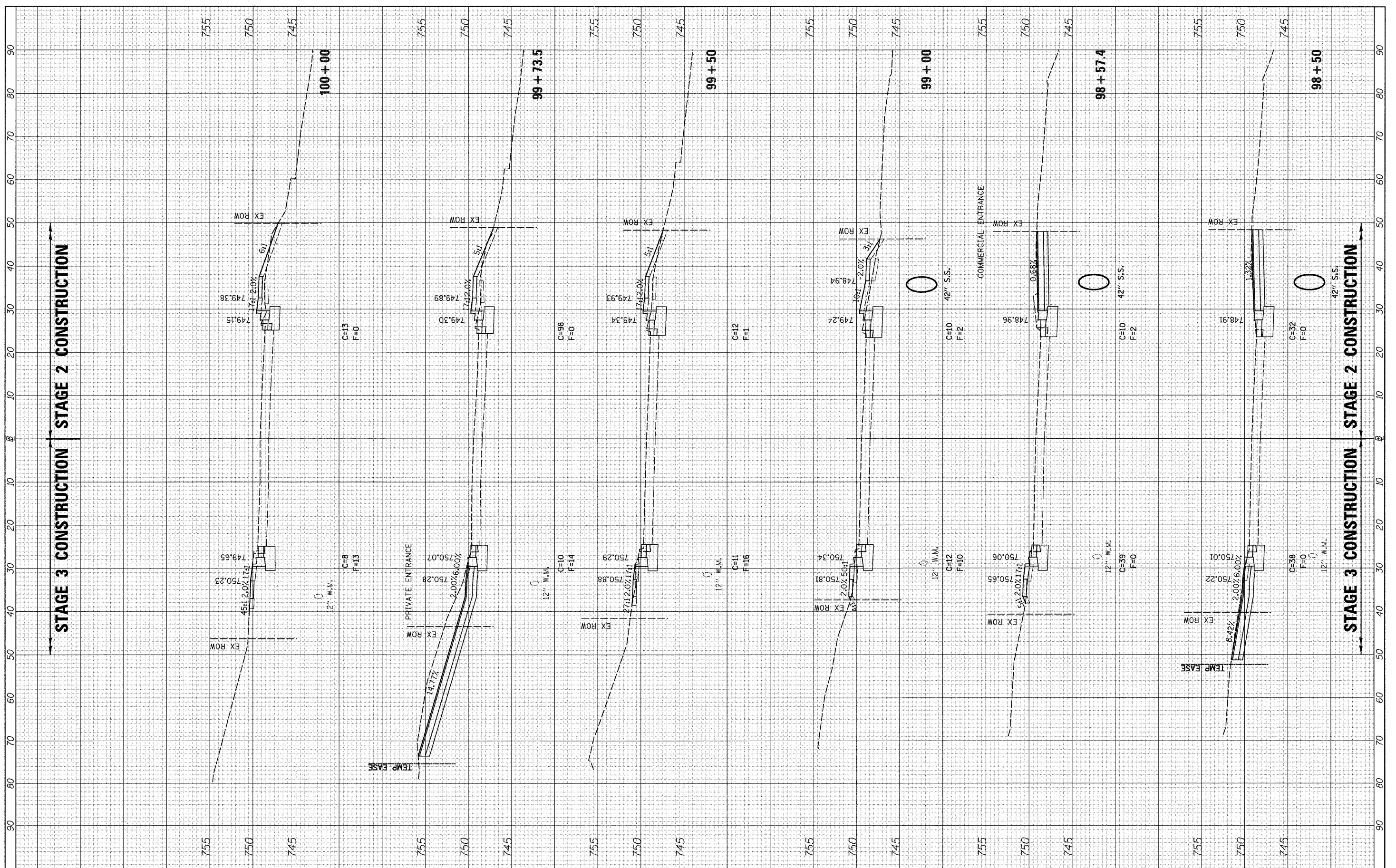
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 14 OF 16 SHEETS STA. 96+50 TO STA. 98+47.1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	186
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

DATE \_\_\_\_\_ BY \_\_\_\_\_  
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 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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DATE \_\_\_\_\_ BY \_\_\_\_\_  
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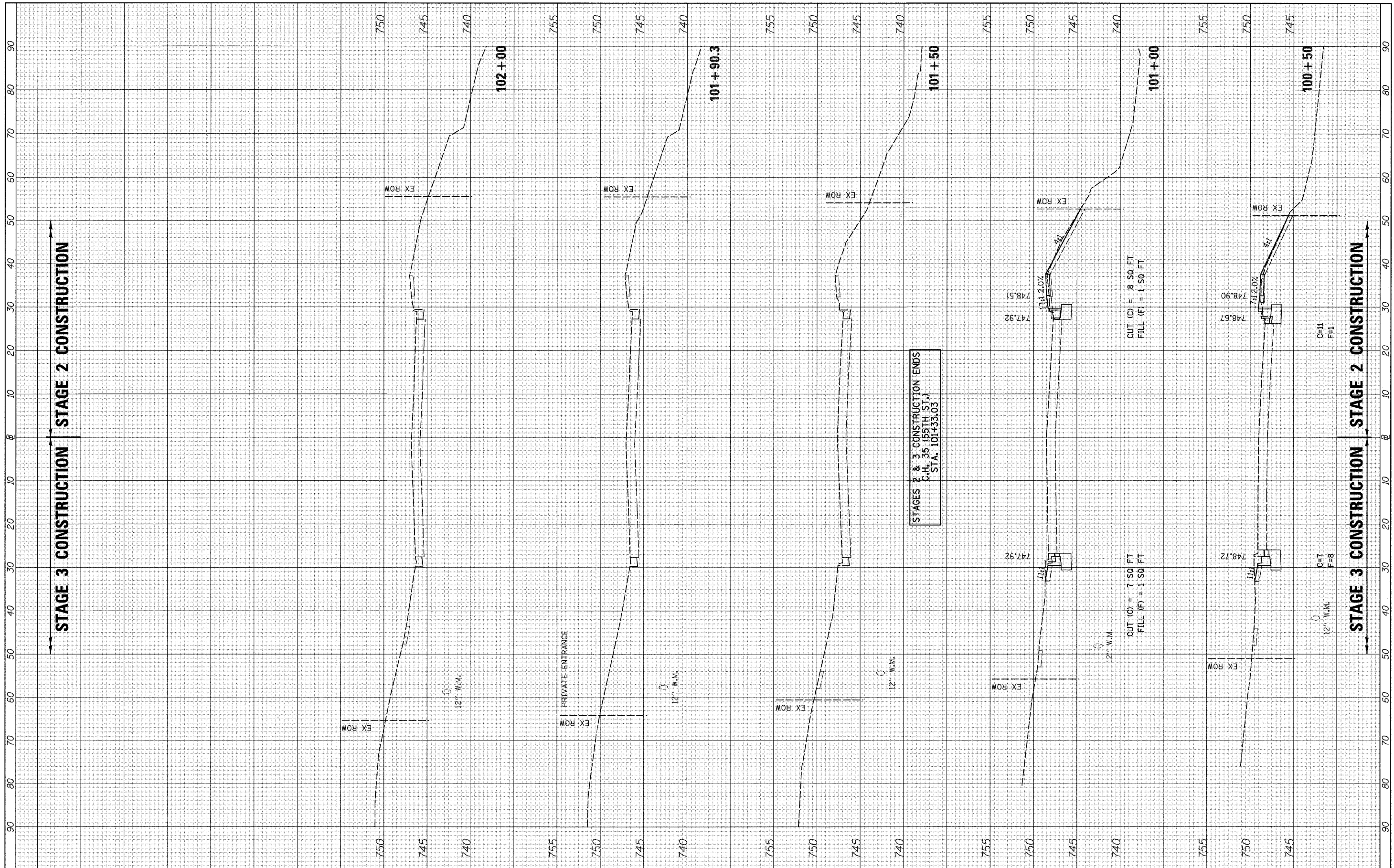
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 15 OF 16 SHEETS STA. 98+50 TO STA. 100+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	187
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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NO.	DATE	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**C.H. 35 (55TH ST.) STAGES 2 & 3 CROSS SECTIONS**

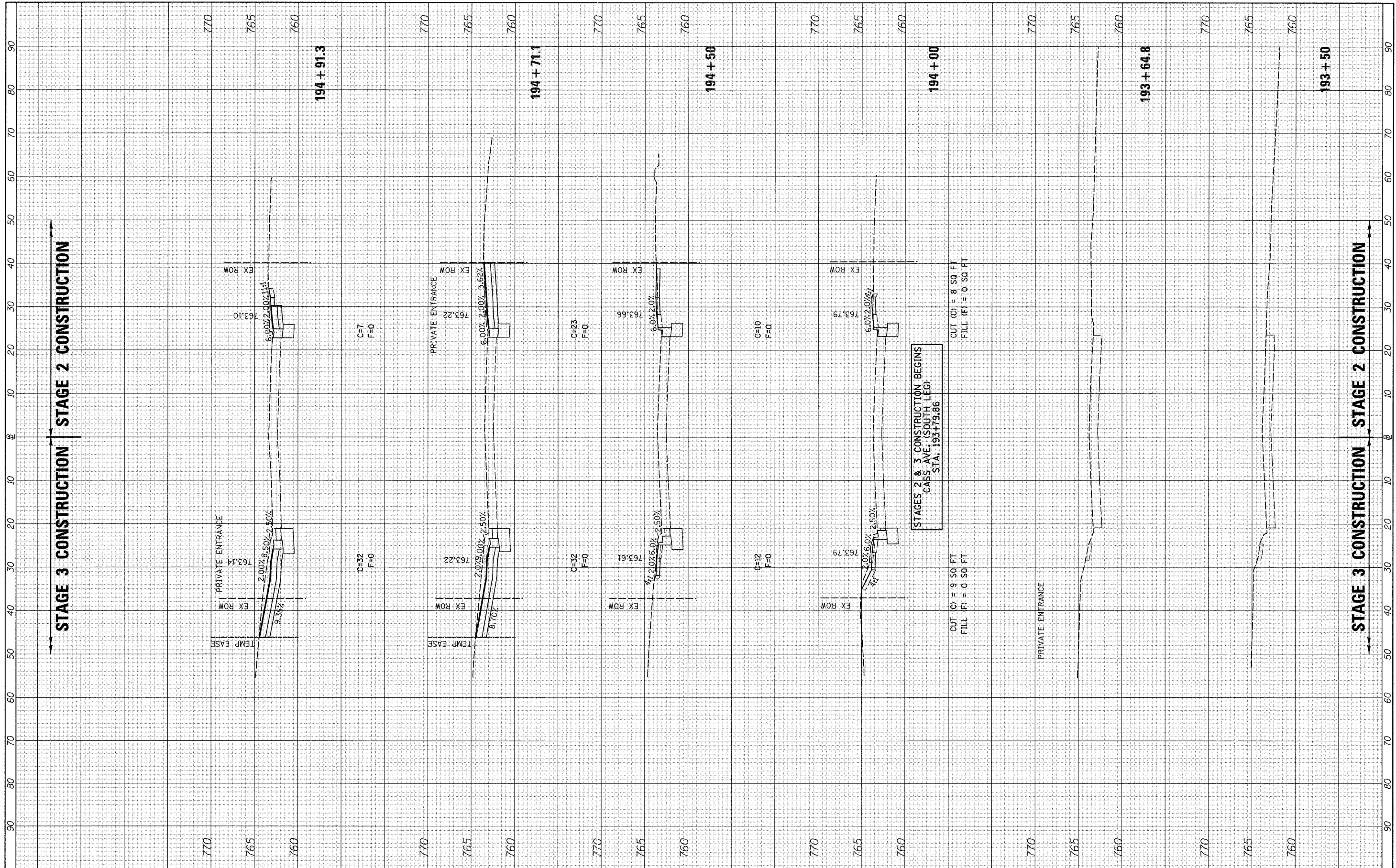
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	188
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	REPLATE AREAS CHECKED	BY

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	DATE
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

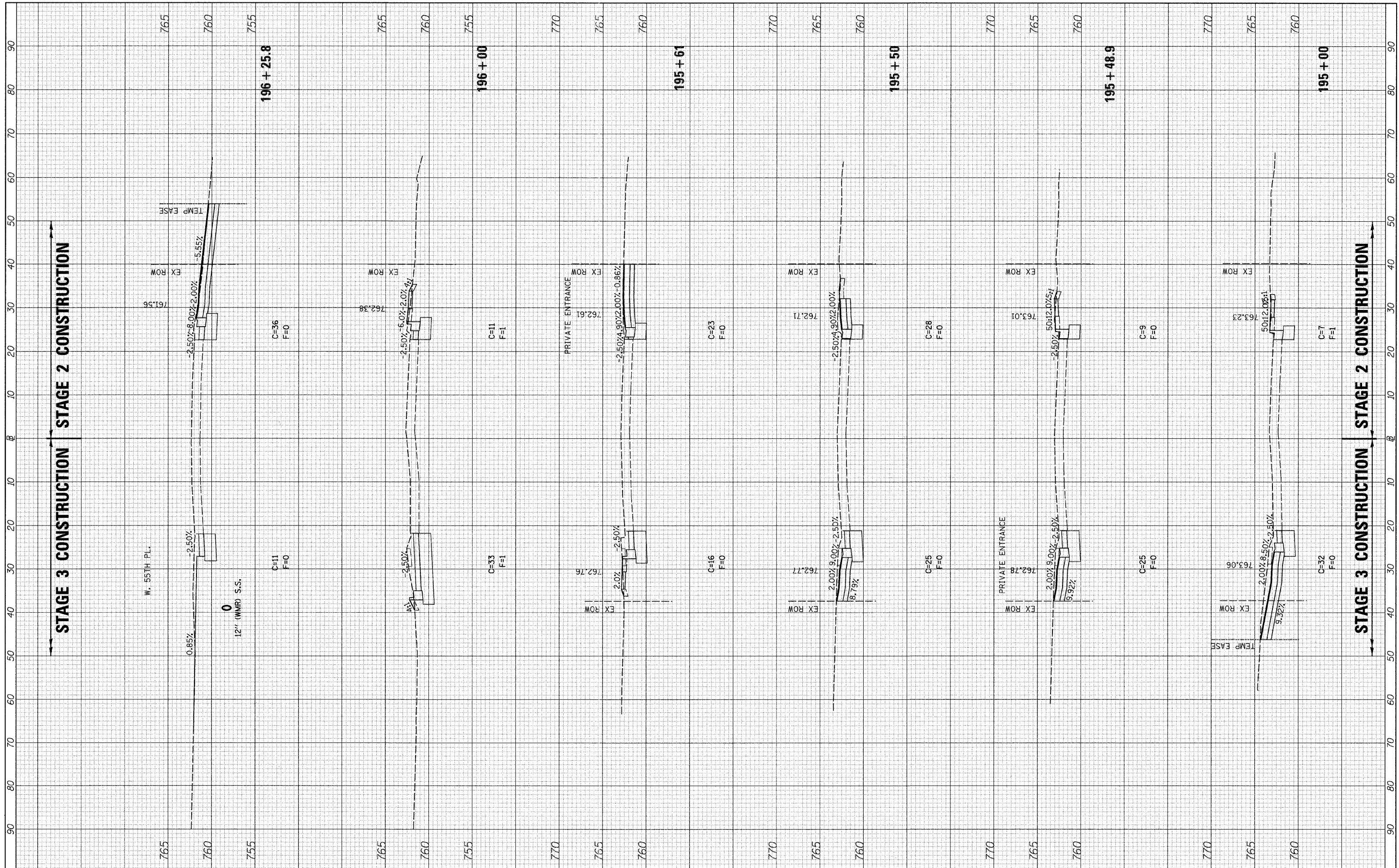
**CASS AVE. (SOUTH LEG) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 1 OF 7 SHEETS STA. 193+50 TO STA. 194+91.3

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP		240	189
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED BY	DATE
NO.	PLOTTED BY	
	NOTE BOOK NO.	
	TEMPLATE NO.	
	AREAS CHECKED	

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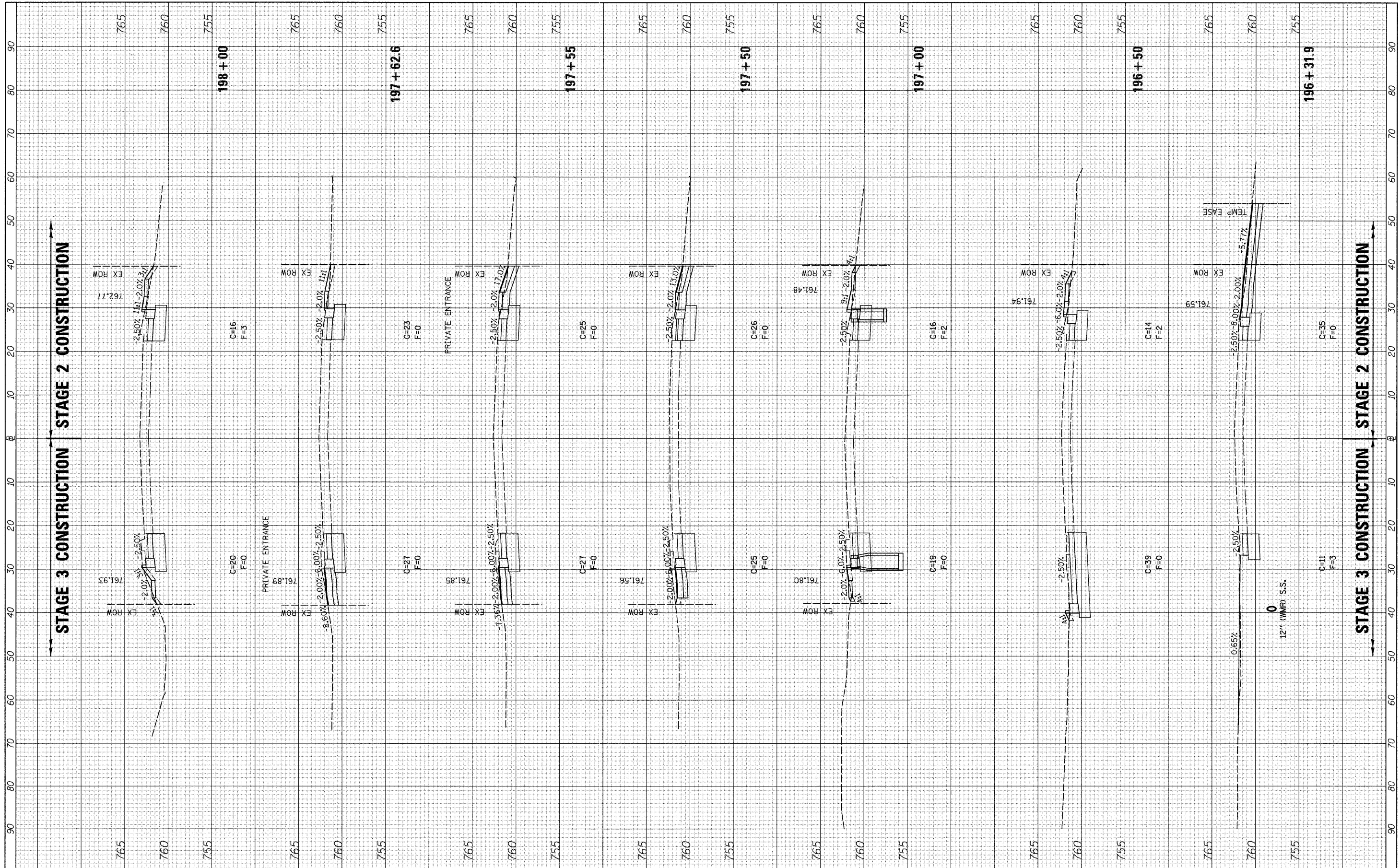
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CASS AVE. (SOUTH LEG) STAGES 2 & 3 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 2 OF 7 SHEETS STA. 195+00 TO STA. 196+25.8

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	190
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	DATE	
AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	DATE	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

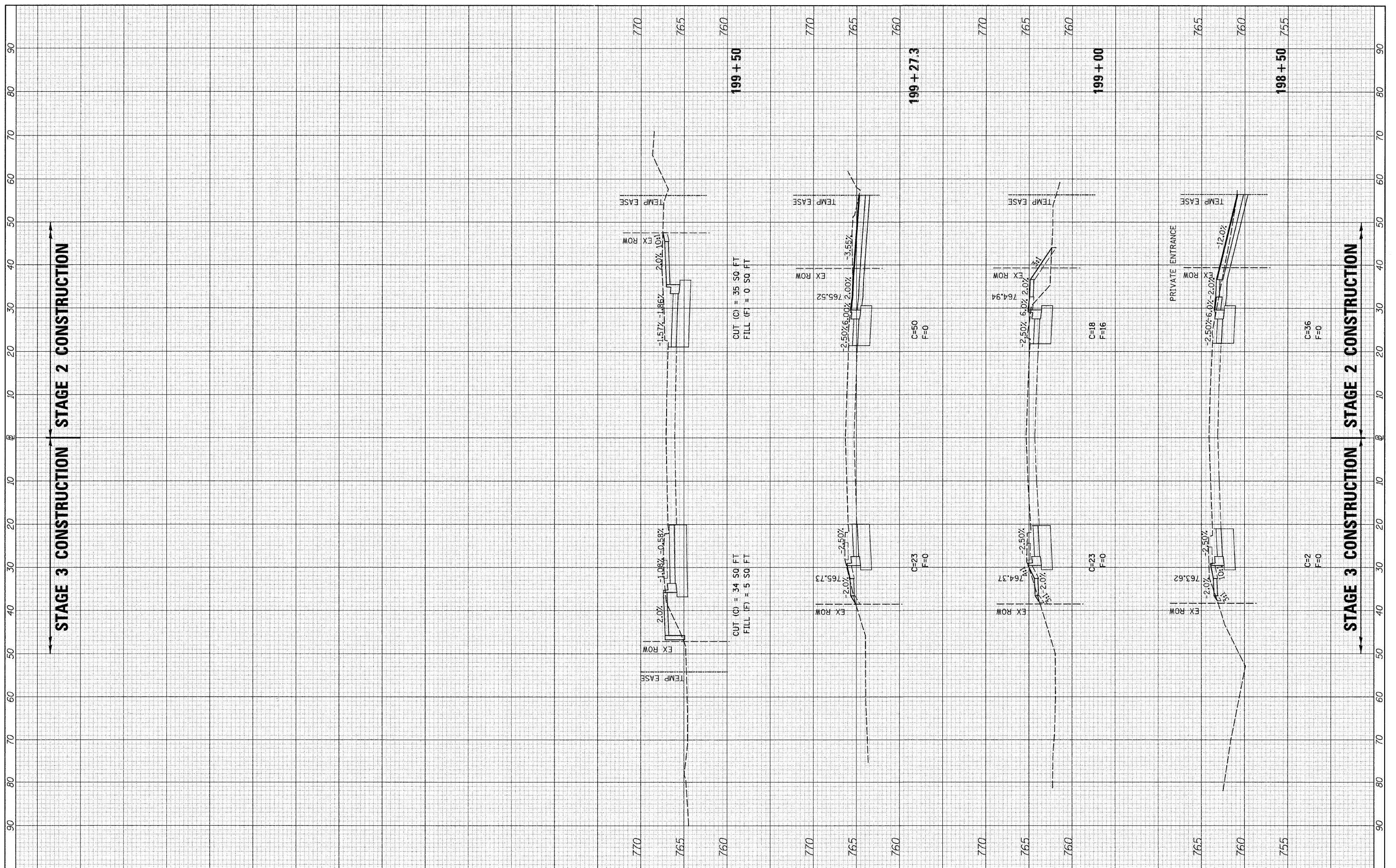
**CASS AVE. (SOUTH LEG) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 3 OF 7 SHEETS STA. 196+31.9 TO STA. 198+00

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 191
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED BY	DATE
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AREAS CHECKED	DATE	

ORIGINAL SURVEY NO.	SURVEYED BY	DATE
NOTE BOOK NO.	PLOTTED BY	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

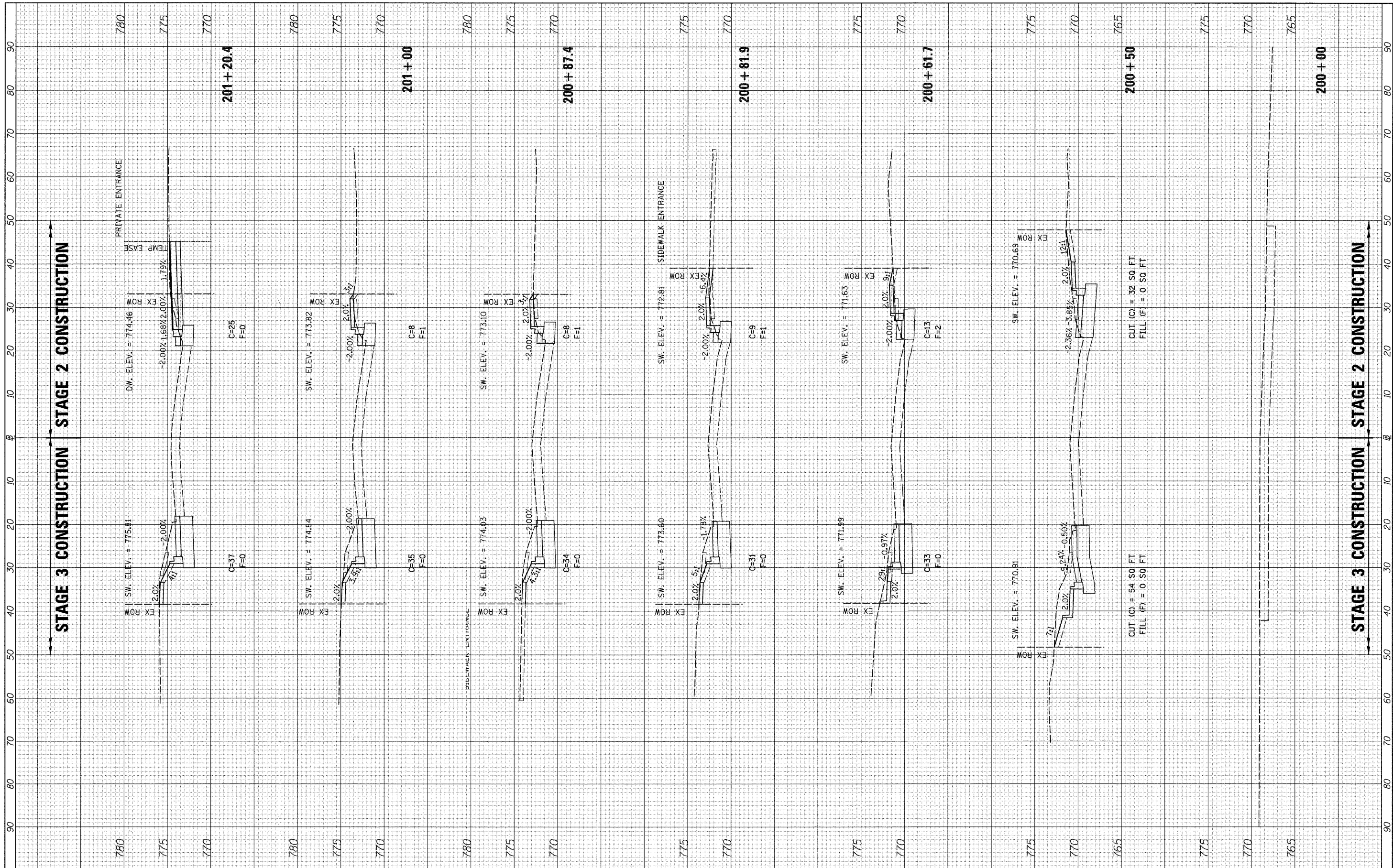
**CASS AVE. (SOUTH LEG) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 4 OF 7 SHEETS STA. 198+50 TO STA. 199+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP		240	192
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMP. EASE	DATE

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NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMP. EASE	DATE



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

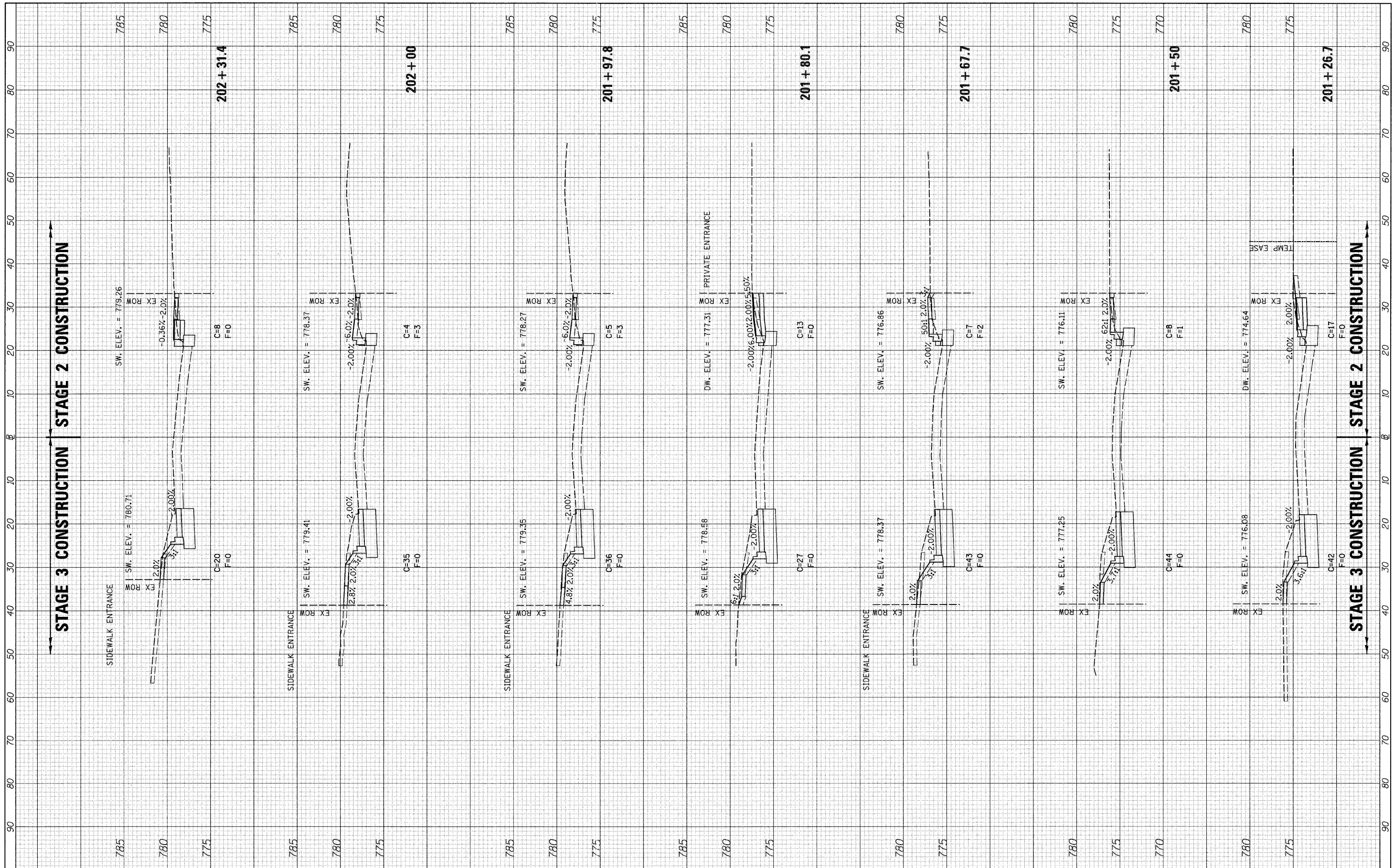
**CASS AVE. (NORTH LEG) STAGES 2 & 3 CROSS SECTIONS**

SCALE: H=10' V=5' SHEET NO. 5 OF 7 SHEETS STA. 200+00 TO STA. 201+20.4

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DU PAGE	TOTAL SHEETS 240	SHEET NO. 193
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NO.	NO.	
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PLANNED	PLANNED	
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ORIGINAL SURVEY	SURVEYED	DATE
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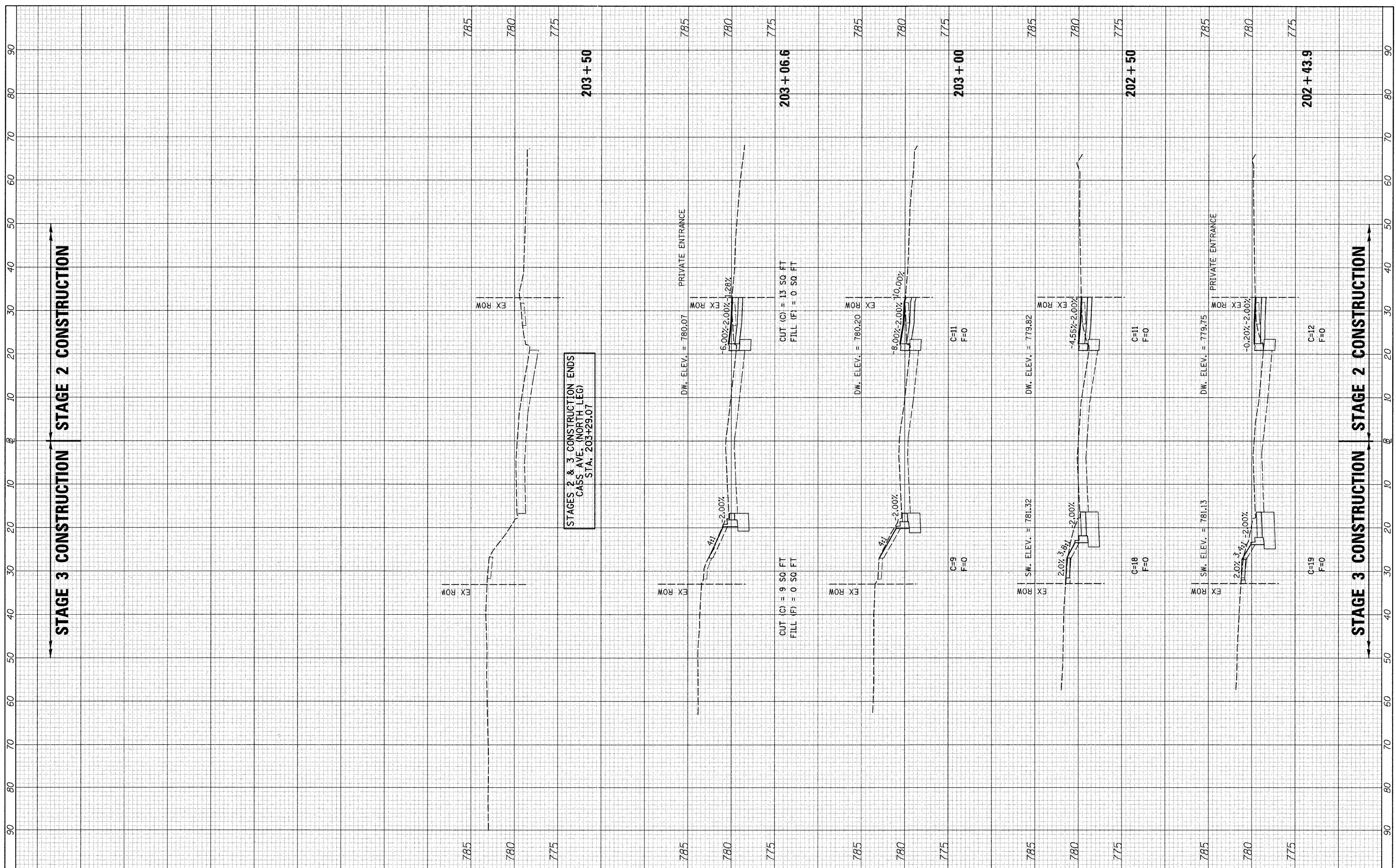
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CASS AVE. (NORTH LEG) STAGES 2 & 3 CROSS SECTIONS  
SCALE: H=10 V=5 SHEET NO. 6 OF 7 SHEETS STA. 201+26.7 TO STA. 202+31.4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	194
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE	BY
NOTE BOOK NO.	PLOTTED		
	DATE		
	AREAS CHECKED		

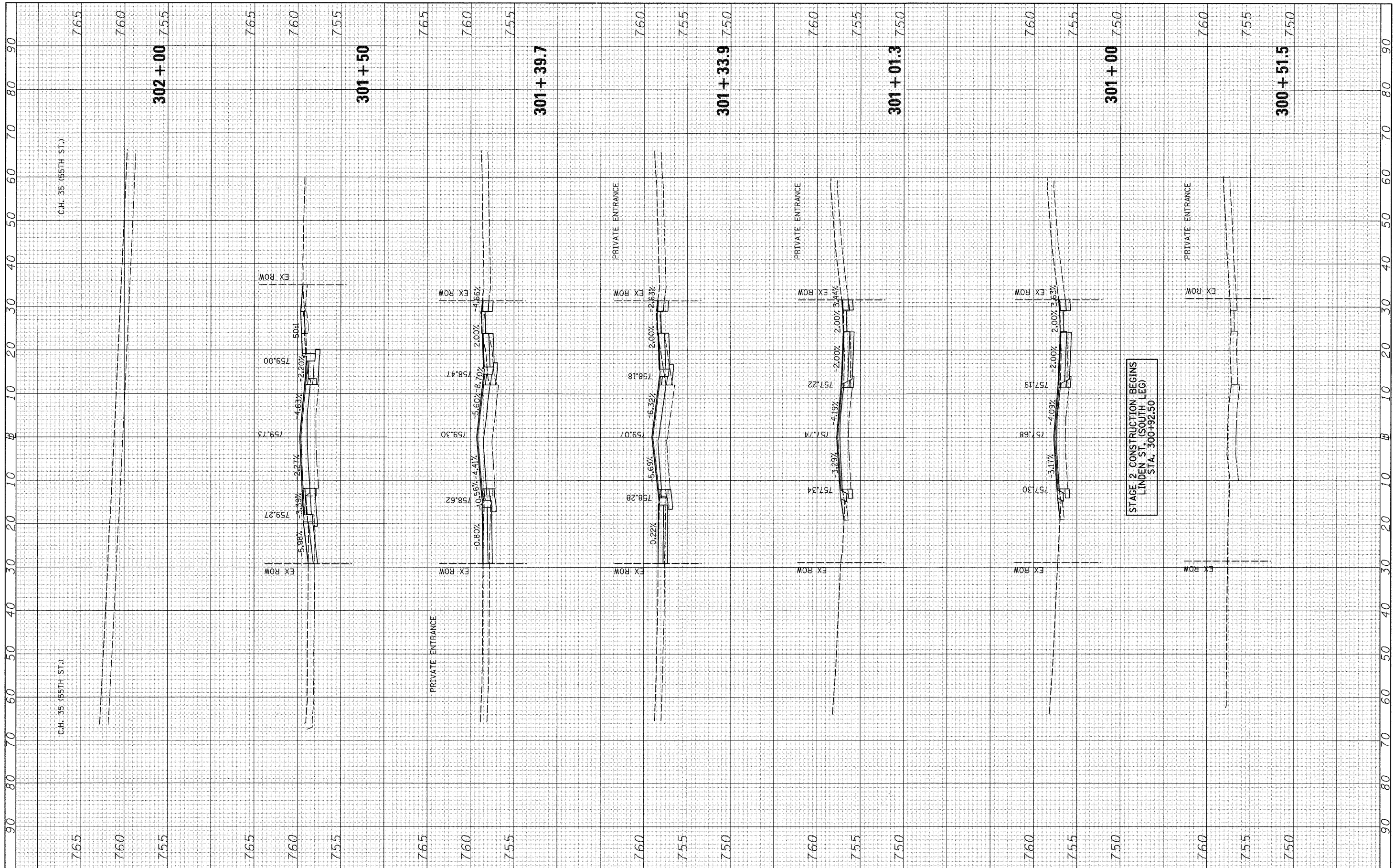
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NOTE BOOK NO.	PLOTTED		
	DATE		
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FILE NAME = v:\2791\2791F2&3\shhte_N_CassAve.dgn	USER NAME = bdecreene	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CASS AVE. (NORTH LEG) STAGES 2 &amp; 3 CROSS SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -		SCALE: H=10 V=5	SHEET NO. 7 OF 7 SHEETS	STA. 202+43.9 TO STA. 203+50	1504	94-00302-00-FP	DU PAGE	240	195	
	PLOT DATE = 5/20/2011	CHECKED -	REVISED -										CONTRACT NO. 63609
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT					

FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



STAGE 2 CONSTRUCTION BEGINS  
LINDEN ST. (SOUTH LEG)  
STA. 300+92.50

FILE NAME = v:\2791\2791xhts.LindenSouth.dgn

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DRAWN -  
CHECKED -  
DATE -

REVISIONS  
REVISED -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

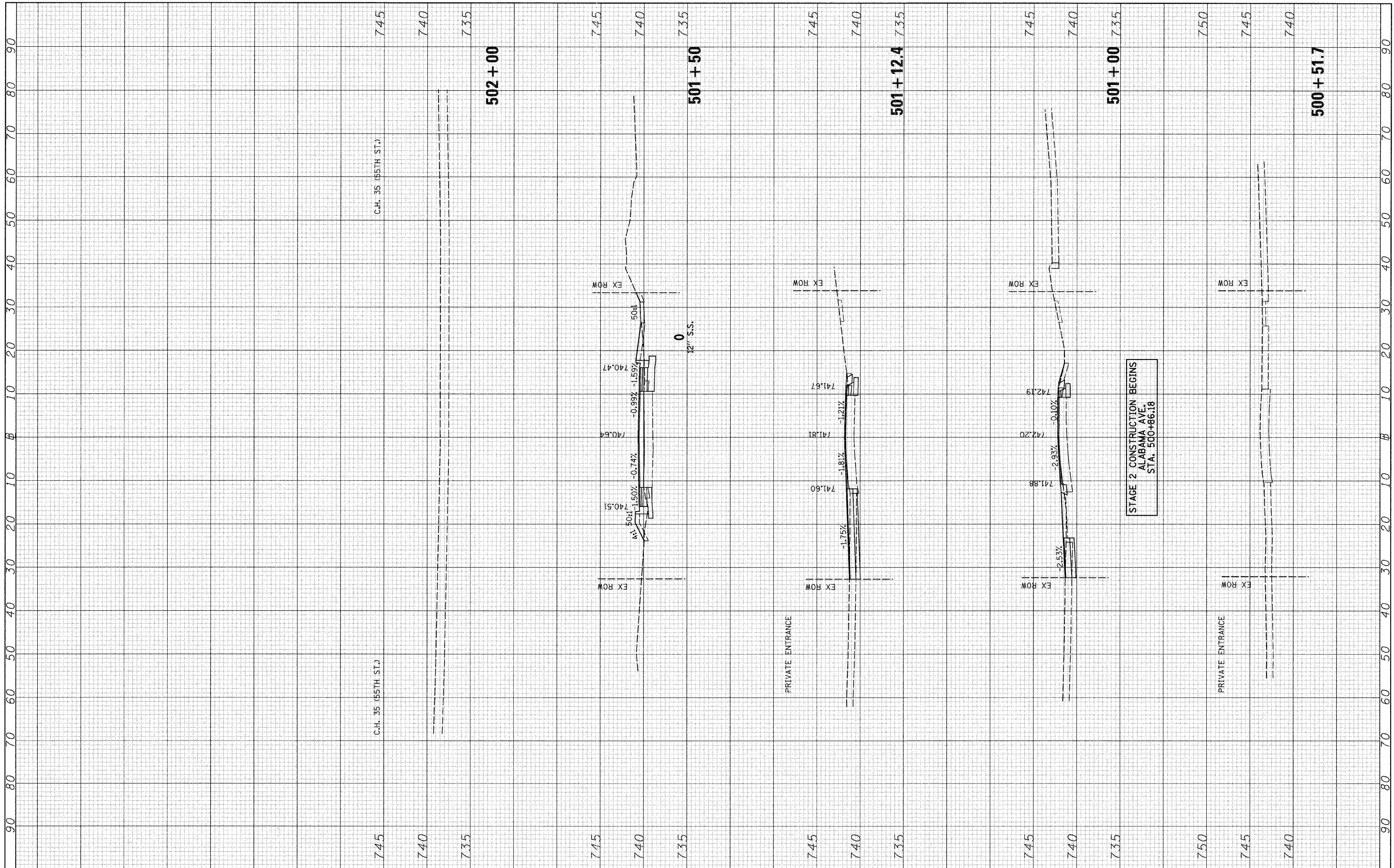
**LINDEN ST. (SOUTH LEG) STAGE 2 CROSS SECTIONS**  
SCALE: H=10 V=5 SHEET NO. 1 OF 1 SHEETS STA. 300+51.5 TO STA. 302+00

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY	TOTAL SHEETS 240	SHEET NO. 196
DU PAGE			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	



STAGE 2 CONSTRUCTION BEGINS  
ALABAMA AVE.  
STA. 500+86.18

FILE NAME =  
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

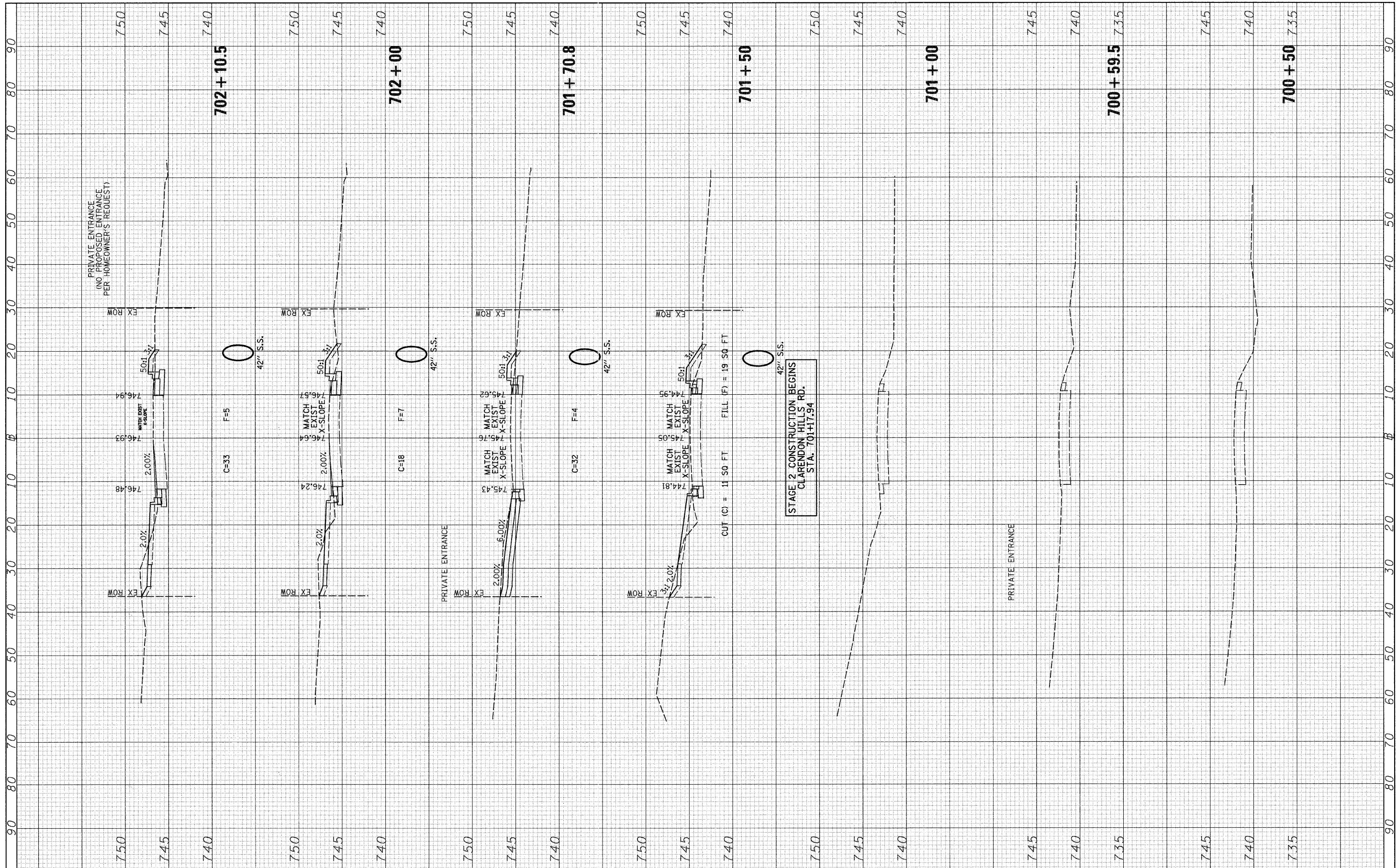
**ALABAMA AVE. STAGE 2 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 1 OF 1 SHEETS STA. 500+51.7 TO STA. 502+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	197
			CONTRACT NO. 63609	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

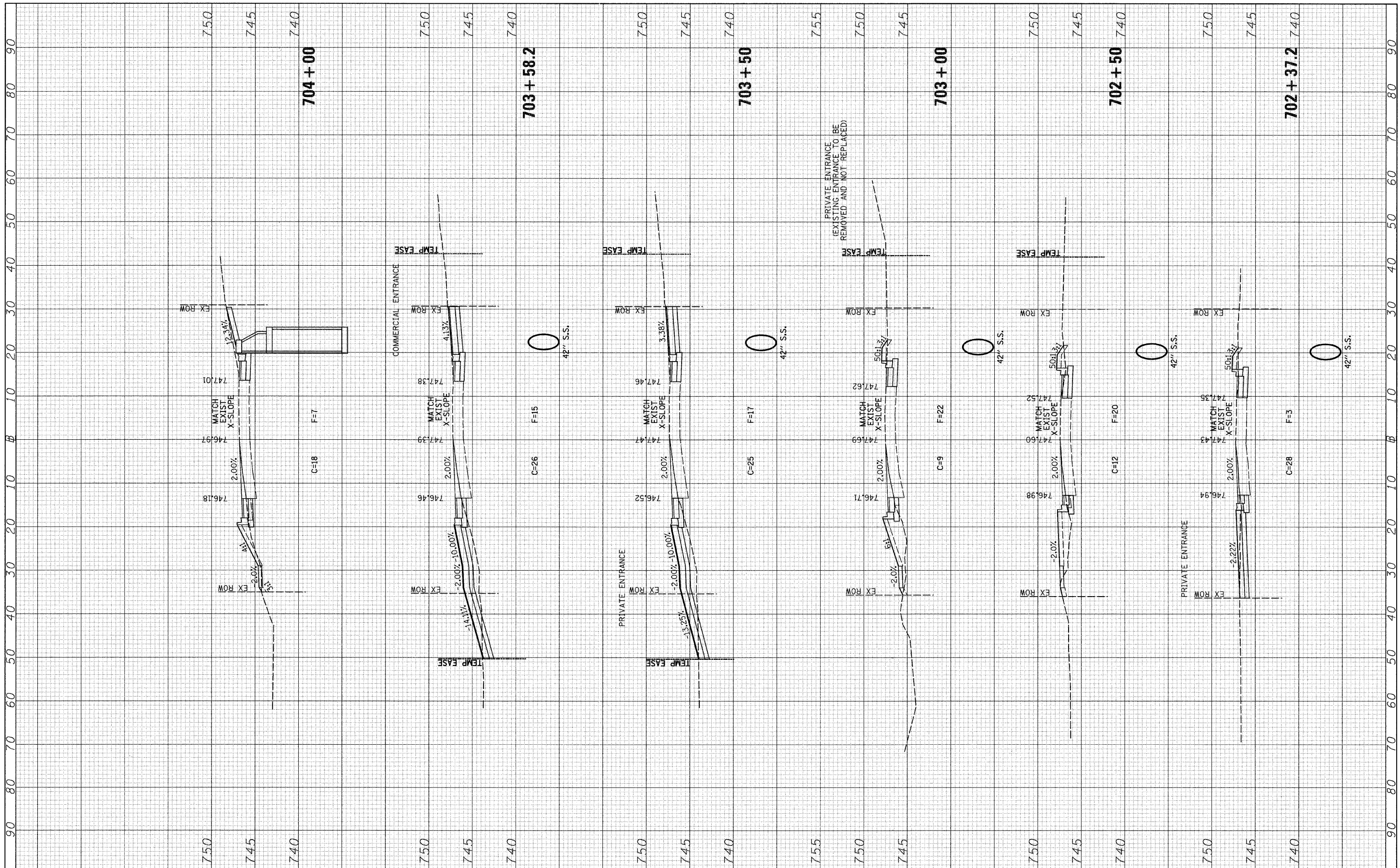
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CLARENDON HILLS RD. STAGE 2 CROSS SECTIONS**  
 SCALE: H=10 V=5 SHEET NO. 1 OF 3 SHEETS STA. 700+50 TO STA. 702+10.5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	198
CONTRACT NO. 63609				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

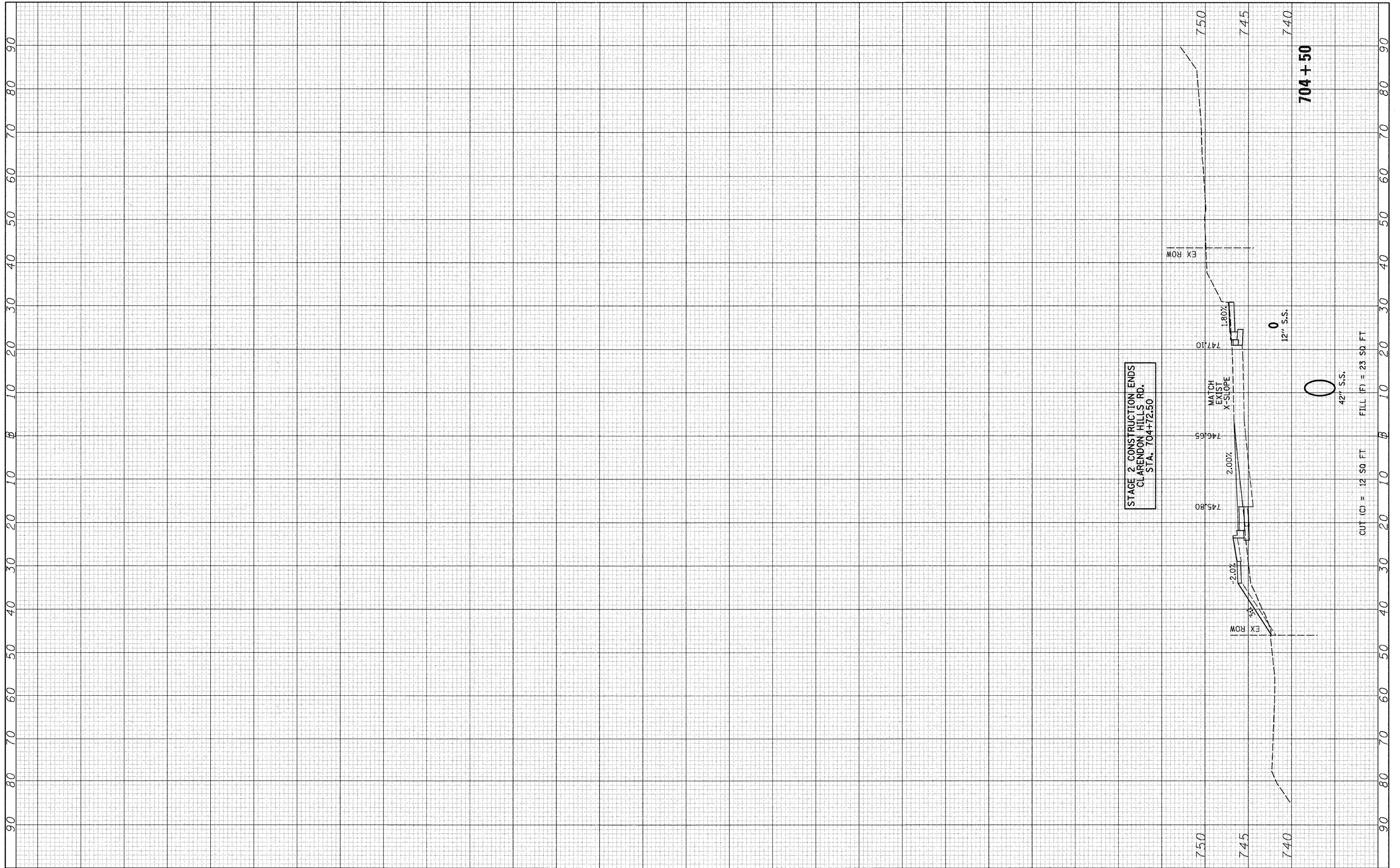
**CLARENDON HILLS RD. STAGE 2 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 2 OF 3 SHEETS STA. 702+37.2 TO STA. 704+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	199
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REVISIONS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REVISIONS		
	AREAS CHECKED		



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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLARENDON HILLS RD. STAGE 2 CROSS SECTIONS**

SCALE: H=10 V=5 SHEET NO. 3 OF 3 SHEETS STA. 704+50 TO STA. 704+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1504	94-00302-00-FP	DU PAGE	240	200
CONTRACT NO. 63609			ILLINOIS FED. AID PROJECT	